

6301/6881
FIGURE 5821

TTTAAAGCTGGGAGGTTCTGCCACCAAGCACGGCCTTCCCACTGGGAACACAAACTTGCTGGCGGGAAGAGCCCG
GAAAGAAACCTGTGGATCTCCCTTCGAGATCATCCAAAGAGAAGAAAGGTGACCTCACATTTCGTGCCCCTTAGCA
GCACTCTGCAGAAATGCCTCCTCAGCTGCAAAACGGCCTGAACCTCTCGGCCAAAGTTGTCCAGGGAAGCCTGGA
CAGCCTACCCCAGGCAGTGAGGGAGTTTCTCGAGAATAACGCTGAGCTGTGTCAGCCTGATCACATCCACATCTG
TGACGGCTCTGAGGAGGAGAATGGGCGGCTTCTGGGCCAGATGGAGGAAGAGGGCATCCTCAGGCGGCTGAAGAA
GTATGACAACTGCTGGTTGGCTCTCACTGACCCAGGGATGTGGCCAGGATCGAAAGCAAGACGGTTATCGTCAC
CCAAGAGCAAAGAGACACAGTGCCCATCCCCAAAACAGGCCTCAGCCAGCTCGGTTCGTGGATGTCAGAGGAGGA
TTTTGAGAAAGCGTTCAATGCCAGGTTCCAGGGTGCATGAAAGGTGCGACCATGTACGTCATCCCATTACAGCAT
GGGGCCGCTGGGCTCGCCTCTGTCAAAGATCGGCATCGAGCTGACGGATTACCCCTACGTGGTGGCCAGCATGCG
GATCATGACGCGGATGGGCACGCCCGTCTGGAAGCAGTGGGCGATGGGGAGTTTGTCAAATGCCTCCATTCTGT
GGGGTGCCCTCTGCCTTTACAAAAGCCTTTGGTCAACAACTGGCCCTGCAACCCGGAGCTGACGCTCATCGCCCA
CCTGCCTGACCGCAGAGAGATCATCTCCTTTGGCAGTGGGTACGGCGGGAACCTCGCTGCTCGGGAAGAAGTGCTT
TGCTCTCAGGATGGCCAGCCGGCTGGCCAAGGAGGAAGGGTGGCTGGCAGAGCACATGCTGATTCTGGGTATAAC
CAACCCTGAGGGTGAGAAGAAGTACCTGGCGGCCGATTTCCAGCGCCTGCGGGAAGACCAACCTGGCCATGAT
GAACCCAGCCTCCCCGGGTGGAAGGTTGAGTGCCTCGGGGATGACATTGCCTGGATGAAGTTTGACGCACAAGG
TCATTTAAGGGCCATCAACCCAGAAAATGGCTTTTTTCGGTGTGCTCCTGGGACTTCAGTGAAGACCAACCCCAA
TGCCATCAAGACCATCCAGAAGAACACAATCTTTACCAATGTGGCCGAGACCAGCGACGGGGGCGTTTACTGGGA
AGGCATTGATGAGCCGCTAGCTTCAGGTGTCACCATCACGTCTGGAAGAATAAGGAGTGGAGCTCAGAGGATGG
GGAACCTTGTGCCCACCCCAACTCGAGGTTCTGCACCCCTGCCAGCCAGTGGCCCATCATTGATGCTGCCTGGGA
GTCTCCGGAAGGTGTTCCCATGAAGGCATTATCTTTGGAGGCCGTAGACCTGCTGGTGTCCCTCTAGTCTATGA
AGCTCTCAGCTGGCAACATGGAGTCTTTGTGGGGGCGGCCATGAGATCAGAGGCCACAGCGGCTGCAGAACATAA
AGGCAAAATCATCATGATGACCCCTTTGCCATGCGGCCCTTCTTTGGCTACAACCTTCGGCAAATACCTGGCCCA
CTGGCTTAGCATGGCCAGCACCCAGCAGCCAAACTGCCCAAGATCTTCCATGTCAACTGGTTCCGGAAGGACAA
GGAAGGCAAATTCCTCTGGCCAGGCTTTGGAGAGAACTCCAGGGTGTGGAGTGGATGTTCAACCGGATCGATGG
AAAAGCCAGCACCAAGCTCACGCCCATAGGCTACATCCCCAAGGAGGATGCCCTGAACCTGAAAGGCCTGGGGCA
CATCAACATGATGGAGCTTTTCAGCATCTCCAAGGAATCTGGGAGAAGGAGGTGGAAGACATCGAGAAGTATCT
GGAGGATCAAGTCAATGCCGACCTCCCCTGTGAAATCGAGAGAGAGATCCTTGCCTTGAAGCAAAGAATAAGCCA
GATGTAAATCAGGGCCTGAGTGCTTTACCTTTAAATCATTCCCTTTCCCATCCATAAGGTGCAGTAGGAGCAAGA
GAGGGCAAGTGTTCCCAAATTGACGCCACCATAATAATCATCACACACCGTGAGCAGATCTGAAAGGCACACTT
TGATTTTTTTAAGGATAAGAACCACAGAACTGGGTAGTAGCTAATGAAATTGAGAAGGGAAATCTTAGCATGC
CTCCAAAAATTCACATCCAATGCATAGTTTGTTCAAATTTAAGGTTACTCAGGCATTGATCTTTTTCAGTGTTTT
TCACTTTAGCTATGTGGATTAGCTAGAATGCACACCAAAAAATACTTGAGCTGTATATATATATGTGTGTGTGT
GTGTGTGTGTGTGTGTGTGTGTGCATGTATGTGCACATGTGTCTGTGTGGTATATTTGTGTATGTGTATTTGT
ATGTACTGTTATTGAAAATATATTTAATACCTTTGGAAAAATCTTGGGCAAGATGACCTACTAGTTTTTCCTTGAA
AAAAAGTTGCTTTGTTATTAATATTGTGCTTAAATTATTTTATACACCATTTTCCTTACCTTTACATAATTGC
AATATTTCCCCCTTACTACTTCTTGAAAAAAATTACAAAATGAAGTTTTATAGAAAAG

6302/6881
FIGURE 5822

MPPQLQNGLNLSAKVVQGSLSLPQAVREFLENNAEICQPDHIHICDGSEEENGRLLGQMEEEGILRRLKKYDNC
WLALTDPRDVARIESKTVIVTQEQRDTPVIPKTGLSQLGRWMSEEDFEKAFNARFPGCMKGRTMYVIPFSMGPLG
SPLSKIGIELTDSPLYVVASMRIMTRMGTPVLEAVGDGEFVKCLHSVGCPLPLQKPLVNNWPCNPELTTLIAHLPDR
REIISFGSGYGGNSLLGKKCFALRMASRLAKEEGWLAEHMLILGITNPEGEKKYLAAAFPSACGKTNLAMMNP SL
PGWKVECVGDDIAWMKFDAQGHLRAINPENGFFGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEGIDE
PLASGVTTITSWKNKEWSSEDGEPCAHPNSRFCTPASQCP I IDAAWESPEGVPIEGIIFGGRRPAGVPLVYEALSW
QHGVFVGAAMRSEATAAAEHKGKIIMHDPFAMRPFFGYNFGKYLAHWLSMAQHPAAKLPKIFHVNWFRKDKEGKF
LWPGFGENSRVLEWMFNRIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELFSISKEFWEKEVEDIEKYLEQV
NADLPCEIEREILALKQRISQM

6303/6881

FIGURE 5823A

[illegible]

6304/6881
FIGURE 5823B

ACTCCTGCTCCTCCAACCTTTTTTTTGCCAAGGTTTGTACACGACTCCCATCTAGGCTGAAAACCTAGAAGTGGAC
CTTGTGTGTGTGCATGGTGTGAGCCCAAAGCCAGGCTGAGACAGTCCTCATATCCTCCTTGAGCCAACTGTTTGG
GTCTCGTTGCTTCATGGTATGGTCTGGATTTGTGGGAATGGCTTTGCGTGAGAAAGGGGAGGAGAGTGGTTGCTG
CCCTCAGCCGGCTTGAGGACAGAGCCTGTCCCTCTCATGACAACTCAGTGTTGAAGCCCAGTGTCCTCAGCTTCA
TGTCCAGTGGATGGCAGAAGTTTCATGGGGTAGTGGCCTCTCAAAGGCTGGGCGCATCCCAAGACAGCCAGCAGGT
TGTCTCTGGAACGACCAGAGTTAAGCTCTCGGCTTCTCTGCTGAGGGTGACCCCTTTCCTCTAGATGGTAGTTG
TCACGTTATCTTTGAAAACCTTTGGACTGCTCCTGAGGAGGCCCTCTTTTCCAGTAGGAAGTTAGATGGGGGTTTC
TCAGAAGTGGCTGATTGGAAGGGGACAAGCTTCGTTTCAGGGGTCTGCCGTTCCATCCTGGTTTCAGAGAAGGCCG
AGCGTGGCTTTCTCTAGCCTTGTCAGTGTCTCCCTGCCTGTCAATCACCACCTTTCCTCCAGAGGAGGAAAATTA
TCTCCCTGCAAAGCCCGGTTCTACACAGATTTACAAAATTGTGCTAAGAACCGTCCGTGTTCTCAGAAAGCCCA
GTGTTTTTTGCAAAGAATGAAAAGGGACCCCATATGTAGCAAAAATCAGGGCTGGGGGAGAGCCGGGTTTCATTCCC
TGTCCTCATTGGTCGTCCCTATGAATTGTACGTTTCAGAGAAATTTTTTTTCTATGTGCAACACGAAGCTTCCA
GAACCATAAAATATCCCGTCGATAAGGAAAAGAAAATGTCGTTGTTGTTGTTTTTCTGGAAACTGCTTGAAATCTT
GCTGTACTATAGAGCTCAGAAGGACACAGCCCGTCTCCCTGCCTGCCTGATTCCATGGCTGTTGTGCTGATTTC
CAATGCTTTTACGTTGGTTCCCTGGCGTGGGAACCTGCTCTCCTTTGCAGCCCCATTTCCCAAGCTCTGTTCAAGTT
AACTTATGTAAGCTTTCCGTGGCATGCGGGGCGCGACCCACGTCCCCGCTGCGTAAGACTCTGTATTGTTGGATG
CCAATCCACAGGCCTGAAGAACTGCTTGTTGTGTATCAGTAATCATTAGTGGCAATGATGACATTCTGAAAAGC
TGCAATACTTATACAATAAATTTTACAATTCTTTGG

6305/6881
FIGURE 5824

GCGCGCCACCCGGTAGAGGACCCCGCCCGTGCCCCGACCGGTCCCCGCCTTTTTGTAAACTTAAAGCGGGCG
CAGCATTAACGCTTCCCGCCCCGGTGACCTCTCAGGGGTCTCCCCGCCAAAGGTGCTCCGCCGCTAAGGAACATG

GCGAAGGTGGAGCAGGTCCTGAGCCTCGAGCCGCAGCACGAGCTCAAATTCCGAGGTCCCTTCACCGATGTTGTC
ACCACCAACCTAAAGCTTGGCAACCCGACAGACCGAAATGTGTGTTTTAAGGTGAAGACTACAGCACCACGTAGG
TACTGTGTGAGGCCAACAGCGGAATCATCGATGCAGGGGCTCAATTAATGTATCTGTGATGTTACAGCCTTTC
GATTATGATCCCAATGAGAAAAGTAAACACAAGTTTATGGTTCAGTCTATGTTTGCTCCAAGTACACTTCAGAT
ATGGAAGCAGTATGGAAGGAGGCAAAACCGGAAGACCTTATGGATTCAAACTTAGATGTGTGTTGAATTGCCA
GCAGAGAATGATAAACCACATGATGTAGAAATAAATAAAATTATATCCACAAGTGCATCAAAGACAGAAACACCA
ATAGTGTCTAAGTCTCTGAGTCTTCTTTGGATGACACCGAAGTTAAGAAGGTTATGGAAGAATGTAAGAGGCTG
CAAGGTGAAGTTCAGAGGCTACGGGAGGAGAACAAGCAGTTCAAGGAAGAAGATGGACTGCGGATGAGGAAGACA
GTGCAGAGCAACAGCCCCATTTAGCATTAGCCCCAACTGGGAAGGAAGAAGGCCTTAGCACCCGGCTCTTGGCT
CTGGTGGTTTTGTCTTTATCGTTGGTGTAATTATTGGGAAGATTGCCTTGTAGAGGTAGCATGCACAGGATGGT
AAATTGGATTGGTGGATCCACCATATCATGGGATTTAAATTTATCATAACCATGTGTAAAAAGAAATTAATGTAT
GATGACATCTCACAGGTCTTGCCTTTAAATTACCCCTCCCTGCACACACATACACAGATACACACACACAAATAT
AATGTAACGATCTTTTAGAAAAGTTAAAAATGTATAGTAACTGATTGAGGGGGAAAAGAATGATCTTTATTAATGA
CAAGGGAAACCATGAGTAATGCCACAATGGCATATTGTAAATGTCATTTTAAACATTGGTAGGCCTTGGTACATG
ATGCTGGATTACCTCTCTTAAATGACACCCTTCCTCGCTGTTGGTGCTGGCCCTTGGGGAGCTGGAGCCAGC
ATGCTGGGGAGTGCGGTCAGCTCCACACAGTAGTCCCCACGTGGCCCACTCCCGGCCAGGCTGCTTTCCGTGTC
TTCAGTTCTGTCCAAGCCATCAGCTCCTTGGGACTGATGAACAGAGTCAGAAGCCCAAAGGAATTGCACTGTGGC
AGCATCAGACGTACTCGTCATAAGTGAGAGGCGTGTGTTGACTGATTGACCCAGCGCTTTGGAAATAAATGGCAG
TGCTTTGTTCACTTAAAGGGACCAAGCTAAATTTGTATTGGTTCATGTAGTGAAGTCAAAGTGTATTTCAGAGAT
GTTTAATGCATATTTAACTTATTTAATGTATTTTCATCTCATGTTTCTTATTGTCACAAGAGTACAGTTAATGCT
GCGTGCTGCTGAACCTCTGTTGGGTGAACCTGGTATTGCTGCTGGAGGGCTGTGGGCTCCTCTGTCTCTGGAGAGTC
TGGTCATGTGGAGGTGGGGTTTATTGGGATGCTGGAGAAGAGCTGCCAGGAAGTGTTTTTCTGGGTCAGTAAAT
AACAACTGTCATAGGCAGGGAATTTCTCAGTAGTGACAGTCAACTCTAGGTTACCTTTTTTAATGAAGAGTAGTC
AGTCTTCTAGATTGTTCTTATACCACCTCTCAACCATTACTCACACTTCCAGCGCCAGGTCCAAGTTTGAGCCT
GACCTCCCCCTTGGGGACCTAGCCTGGAGTCAGGACAAATGGATCGGGCTGCAAAGGGTTAGAAGCGAGGGCACCA
GCAGTTGTGGGTGGGGAGCAAGGGAAGAGAGAACTCTTCAGCGAATCCTTCTAGTACTAGTTGAGAGTTTGACT
GTGAATTAATTTTATGCCATAAAAGACCAACCCAGTTCTGTTTGACTATGTAGCATCTTGAAAAGAAAAATTATA
ATAAAGCCCCAAAATTAAGA

6306/6881
FIGURE 5825

MAKVEQVLSLEPQHELKFRGPFTDVVTTNLKLGNP TDRNVC FKVKT TAPRRYCVRPNSGIIDAGASINVSVM LQP
FDYDPNEKSKHKFMVQSMFAP TDTSDMEAVWKEAKPEDLMD SKLR CVFELPAENDKPHDVEINKIISTTAS KTET
PIVSKSLSSSLDDTEVKKVMEECKRLQGEVQRLREENKQFKEEDGLRM RKT VQSN SPI SALAPTGKEEGLSTRLL
ALVVLFFIVGVIIGKIAL

6307/6881
FIGURE 5826

CTCGCCTCAGTCTCCTCTGTCTCTCCCAGGCAAGAGGACCGGCGGAGGCACCTCTCTCGAGTCTTAGGCTGCGG
AATCTAAGACTCAGCGAGAGGAGCCCCGGGAGGAGACAGAACTTTCCCTTTTTTCCCATCCCTTCTTCTTGCTCA
GAGAGGCAAGCAAGGCGCGGAGCTTTAGAAAGTTCTTAAGTGGTCAGGAAGGTAGGTGCTTCCCTTTTTTCTCCTC
ACAAGGAGGTGAGGCTGGGACCTCCGGGCCAGCTTCTCACCTCATAGGGTGTACCTTTCCCGGCTCCAGCAGCCA
ATGTGCTTCGGAGCCGCTCTCTGCAGAGCCAGAGGGCAGGCCGGCTTCTCGGTGTGTGCCTAAGAGGATGGATCG
GAGGTCCCGGGCTCAGCAGTGGCGCCGAGCTCGCCATAATTACAACGACCTGTGCCCGCCCATAGGCCGCCGGGC
AGCCACCGCGCTCCTCTGGCTCTCCTGCTCCATCGCGCTCCTCCGCGCCCTTGCCACCTCCAACGCCCGTGCCCA
GCAGCGCGCGGCTGCCCAACAGCGCCGGAGCTTCTTAACGCCACCACCGCTCCGGCGCCAGGTATTCCCTGA
GTCCCCCGAATCGGAATCTGACCACGAGCACGAGGAGGCAGACCTTGAGCTGTCCCTCCCGAGTGCCTAGAGTA
CGAGGAAGAGTTTCGACTACGAGACCGAGAGCGAGACCGAGTCCGAAATCGAGTCCGAGACCGACTTCGAGACCGA
GCCTGAGACCGCCCCACCACCTGAGCCCCGAGACCGAGCCTGAAGACGATCGCGGCCCGGTGGTGCCCAAGCACTC
CACCTTCGGCCAGTCCCTCACCCAGCGTCTGCACGCTCTCAAGTTGCGAAGCCCCGACGCTCCCAAGTCGCGC
GCCGCCCAGCACTCAGGAGCCCCAGAGCCCCAGGGAAGGGGAGGAGCTCAAGCCCGAGGACAAAGATCCAAGGGA
CCCCGAAGAGTCAAGGAGCCCCAAGGAGGAGAAGCAGCGGCGTCTGCTGCAAGCCAAAGAAGCCACCCGCCGTGA
CGCGTCCCCGAGTCCCTTCCAAAAAGGGACCCATCCCATCCGGCGTCACTAATGGAGGACGCCGTCCAGATT
CTCCTTGTTTTTCATGGATTTCAGGTGCTGGAGAATCTGGTAAAAGCACCATTGTGAAGCAGATGAGGATCCTGCAT
GTTAATGGGTTTAAATGGAGAGGGCGGCGAAGAGGACCCGAGGCTGCAAGGAGCAACAGCGATGGCAGTGAGAAG
GCAACCAAAGTGCAGGACATCAAAAACAACCTGAAAGAGGCGATTGAAACCATTGTGGCCCGCATGAGCAACCTG
GTGCCCCCGTGGAGCTGGCCAACCCCGAGAACCAGTTTCAGAGTGGACTACATCCTGAGTGTGATGAACGTGCCT
GACTTTGACTTCCCTCCCGAATTCTATGAGCATGCCAAGGCTCTGTGGGAGGATGAAGGAGTGCCTGCCTGTAC
GAACGCTCCAACGAGTACCAGCTGATTGACTGTGCCAGTACTTCTGGACAAGATCGACGTGATCAAGCAGGCT
GACTATGTGCCGAGCGATCAGGACCTGCTTCGCTGCCGTGTCTGACTTCTGGAATCTTTGAGACCAAGTTCCAG
GTGGACAAAGTCAACTTCCACATGTTTGACGTGGGTGGCCAGCGCGATGAACGCCGCAAGTGGATCCAGTGCTTC
AACGATGTGACTGCCATCATCTTCGTGGTGGCCAGCAGCAGCTACAACATGGTCATCCGGGAGGACAACCAGACC
AACCGCTGCAGGAGGCTCTGAACCTCTTCAAGAGCATCTGGAACAACAGATGGCTGCGCACCATCTCTGTGATC
CTGTTCTCAACAAGCAAGATCTGCTCGCTGAGAAAGTCCTTGCTGGGAAATCGAAGATTGAGGACTACTTTCCA
GAATTTGCTCGCTACACTACTCTTGAGGATGCTACTCCCGAGCCCGGAGAGGACCCACGCGTGACCCGGGCCAAG
TACTTCATTGAGATGAGTTTCTGAGGATCAGCACTGCCAGTGGAGATGGGCGTCACTACTGCTACCCCTCATTTC
ACCTGCGCTGTGGACACTGAGAACATCCGCCGTGTGTTCAACGACTGCCGTGACATCATTACGCGCATGCACCTT
CGTCAGTACGAGCTGCTCTAAGAAGGGAACCCCAAAATTTAATTAAAGCCTTAAGCACAAATTAATTAAAAGTGAA
ACGTAATTGTACAAAGCAGTTAATCACCCACCATAGGGCATGATTAACAAAGCAACCTTTCCCTTCCCCGAGTGA
TTTTGCGAAACCCCTTTTCCCTTCAGCTTGCTTAGATGTTCCAAATTTAGAAAGCTTAAGGCGGCCTACAGAAA
AAGGAAAAAAGGCCACAAAAGTTCCCTCTCACTTTTCAGTAAAAATAAATAAAACAGCAGCAGCAAACAAATAAAA
TGAAATAAAAAGAAACAAATGAAATAAATATTGTGTTGTGCAGCATTAAAAAAAATCAAAATAAAATTAATGTG
AGCAAAGAAAAA

6308/6881
FIGURE 5827

MDRRSRAQQWRRARHNYNDLCPPIGRRAATALLWLSCSIALLRALATSNARAQQRAAAQQRRSFLNAHHRSGAQV
FPESPESESDHEHEEADLELSLPECLEYEEEFDYETESETESEIESETDFETEPETAPTTEPETEPEDDRGPVVP
KHSTFGQSLTQRLHALKLRSPPDASPSRAPSTQEPQSPREGEELKPEDKDPRDPEESKEPKKEKQRRRCKPKKPT
RRDASPESPSKKGPIPIRRH

6309/6881
FIGURE 5828

ATGCAGGCCTTGAGGCTTCGGCCAGCACTCATGGAGCCCGAGCCTTCAGTGGTGCCAGACCAGGCCTGGGAGGA
TACAGCCCTCCACCAGAAGAAGCTATGCCCTTTGAGTTTGACCAGCCTGCCAGAGAGGCTGCAGTCAACTTCTC
TTACAGGTCCCAGACCTTGCTCCAGGAGGCCAGGTGCTGCAGGGGTCCCCGAGCTCCTCCCGAGGAGCCCCAA
GCCCTCAGGCCTGCAAAGGCTGGCTCCAGAGGAGGTACAGCCCTCCCCCTGAGGAGACTATGCCATTTGAGCTT
GATGGAGAAGGATTTGGGGACGACAGCCCACCCCCGGGGCTTTCCCGAGTTATCGCACAAAGTCGACGGCAGCAGC
CAGTTCGCGGCAGTCGCGGCCTCGAGTGCGGTCCGCCTCACTCCCGCCGCAACGCGCCTCCCCCTCTGGGTCCCCA
GGCGCCATCGGCAGCCCATCCCAAGAGGCTGTCAGACCTCCTTCTAACTTCACGGGCAGCAGCCCCTGGATGGAG
ATCTCCGGACCCCCGTTTCGAGATTGGCAGCGCCCCCGCTGGGGTCGACGACACTCCCGTCAACATGGACAGCCCC
CCAATCGCGCTTGACGGCCCGCCCATCAAGGTCTCCGGAGCCCCAGATAAGAGAGAGCGAGCAGAGAGACCCCCA
GTTGAGGAGGAAGCAGCAGAGATGGAAGGAGCCGCTGATGCCGCGGAGGGAGGAAAAGTACCCTCTCCGGGGTAC
GGATCCCCCTGCCGCGGGGGCAGCCTCAGCGGATACCGCTGCCAGGGCAGCCCCTGCAGCCCCAGCCGATCCTGAC
TCCGGGGCAACCCAGAAGATCCCGACTCCGGGACAGCACCAGCCGATCCTGACTCCGGGGCATTTCGACGCCGAT
CCCGACTCCGGGGCAGCCCCTGCCGCCCCAGCCGATCCCGACTCCGGGGCGGGCCCTGACGCCCCAGCCGATCCC
GACTCCGGGGCGGGCCCTGACGCCCCAGCCGATCCAGATGCCGGGGCGGGCCCTGAGGCTCCCGCCGCCCTGCG
GCTGCTGAGACCCGGGCAGCCCATGTGCCCCAGCTGCGCCAGACGCAGGGGCTCCCACTGCCCCAGCCGCTTCT
GCCACCCGGGCAGCCCAAGTCCGCCGGGCGGCCTCTGCAGCCCTGCCTCCGGGGCCAGACGCAAGATCCATCTC
AGACCCCCCAGCCCCGAGATCCAGGCTGCCGATCCGCCTACTCCGCGGCCTACTCGCGCTCTGCTGGCGGGC
AAGTCCGAGAGCAGCCGCGGCCCGCGCTGTACTACGATGAAGGGGTGGCCAGCAGCGACGATGACTCCAGCGGA
GACGAGTCCGACGATGGGACCTCCGGATGCCTCCGCTGGTTTCAGCATCGGCGAAATCGCCGCCGCCGAAAGCCC
CAGCGCAACTTACTCCGCAACTTTCTCGTGCAAGCCTTCGGGGGCTGCTTCGGTCGATCTGAGAGTCCCCAGCCC
AAAGCCTCGCGCTCTCTCAAGGTCAAGAAGGTACCCCTGGCGGAGAAGCGCAGACAGATGCGCAAAGAAGCCCTG
GAGAAGCGGGCCCAAGCGCGCAGAGAAGAAACGCAAGTAAAGTTCATCGACAAACAACCTCCAGGACGAAAAGATG
GGCTACATGTGTACGACCGCCTGTGCTTCTAGGTGCTGGAGAATCTGGTAAAAGCACCATTGTGAAGCAGATG
AGGATCCTGCATGTTAATGGGTTAATGGAGAGGGCGGCGAAGAGGACCCGCGAGGCTGCAAGGAGCAACAGCGAT
GGTGAGAAGGCAACCAAAGTGCAGGACATCAAAAACAACCTGAAAGAGGCGATTGAAACCATTGTGGCCGCCATG
AGCAACCTGGTGCCCCCGTGGAGCTGGCCAACCCCGAGAACCAGTTTCAGAGTGGACTACATCCTGAGTGTGATG
AACGTGCCTGACTTTGACTTCCCTCCCGAATTCTATGAGCATGCCAAGGCTCTGTGGGAGGATGAAGGAGTGCCT
GCCTGCTACGAACGCTCCAACGAGTACCAGCTGATTGACTGTGCCAGTACTTCCTGGACAAGATCGACGTGATC
AAGCAGGCTGACTATGTGCCGAGCGATCAGGACCTGCTTCGCTGCCGTGTCTGACTTCTGGAATCTTTGAGACC
AAGTTCCAGGTGGACAAAGTCAACTTCCACATGTTTGACGTGGGTGGCCAGCGCGATGAACGCCGCAAGTGGATC
CAGTGCTTCAACGATGTGACTGCCATCATCTTCGTGGTGGCCAGCAGCAGCTACAACATGGTTCATCCGGGAGGAC
AACCAGACCAACCGCCTGCAGGAGGCTCTGAACCTCTTCAAGAGCATCTGGAACAACAGATGGCTGCGCACCATC
TCTGTGATCCTGTTCTCAACAAGCAAGATCTGCTCGCTGAGAAAGTCCTTGCTGGGAAAATCGAAGATTGAGGAC
TACTTTCCAGAATTTGCTCGCTACACTACTCCTGAGGATGCTACTCCCGAGCCCCGAGAGGACCCACGCGTGACC
CGGGCCAAGTACTTCAATTCGAGATGAGTTTCTGAGGATCAGCACTGCCAGTGGAGATGGGCGTCACTACTGCTAC
CCTCATTTACCTGCGCTGTGGACACTGAGAACATCCGCCGTGTGTTCAACGACTGCCGTGACATCATTACGCGC
ATGCACCTTCGTACGTACGAGCTGCTCTAAGAAGGGAACCCCCAAATTTAATTAAAGCCTTAAGCACAAATTAATT
AAAAGTGAAACGTAATTGTACAAGCAGTTAATCACCCACCATAGGGCATGATTAACAAAGCAACCTTTCCCTTCC
CCCGAGTGATTTTGGCAAACCCCTTTTCCCTTCAGCTTGCTTAGATGTTCCAAATTTAGAAAGCTTAAGGCGGC
CTACAGAAAAAGGAAAAAAGGCCACAAAAGTTCCCTCTCACTTTTCAGTAAAAATAAATAAAACAGCAGCAGCAAA
CAAATAAAATGAAATAAAAGAAACAAATGAAATAAATATTGTGTTGTGCAGCATTAAAAAAAATCAAATAAAAA
TTAAATGTGAGCAAAG

6310/6881
FIGURE 5829

MQALRLRPALMEPGAFSGARPGLGGYSPPPEEAMPFEFDQPAQRGCSQQLLQVPDLAPGGPGAAGVPGAPPPEEQ
ALRPAKAGSRGGYSPPPEETMPFELDGEFGDDSPPPGLSRVIAQVDGSSQFAAVAASSAVRLTPAANAPPLWVP
GAIGSPSQEAVRPPSNFTGSSPWMEISGPPFEIGSAPAGVDDTPVNMDSPPIALDGPPIKVSGAPDKRERAERPP
VEEEAAEMEGAADAAEGGKVPSPGYGSPAAGAASADTAARAAPAAPADPD SGATPEDPD SGTAPADPD SGAFAD
PD SGAAPAAPADPD SGAAPDAPADPD SGAAPDAPADPDAGAAPEAPAPAAAETRAAHVAPAAPDAGAPTAPAA
ATRAAQVRRASAAPASGARRKIHLRPPSPEIQAADPPTPRPTRASAWRGKSESSRGRVYYDEGVASSDDSSG
DESDGTSGCLRWFQHRNRNRKRKPQRNLLRNFLVQAFGGCFGRSESPQPKASRSLKVKKVPLAEKRRQMRKEAL
EKRAQKRAEKKRSKLIDKQLQDEKMGYMCTHRLLLLGAGESGKSTIVKQMRILHVNGFN GEGGEEDPQAARSNSD
GEKATKVQDIKNNLKEAIETIVAAMSNLVPPVELANPENQFRVDYILSVMNVPDFDFPPEFYEHAKALWEDEGVR
ACYERSNEYQLIDCAQYFLDKIDVIKQADYVPSDQDLLRCRVLTSGIFETKFQVDKVNFMFDVGGQDERRKWI
QCFNDVTAIIFVVASSSYNMVIREDNQTNRLQEALNLFKSIWNNRWLRTISVILFLNKQDLLAEKVLAKSKIED
YFPEFARYTTPEDATPEPGEDPRVTRAKYFIRDEFRLISTASGDGRHYCYPHFTCAVDTENIRRVFNDCRDI IQR
MHLRQYELL

6312/6881
FIGURE 5831

MGCLGNSKTEDQRNEEKAQREANKKIEKQLQKDKQVYRATHRLLLLGAGESGKSTIVKQMRILHVNGFNNEGEGEE
DPQAARSNSDGEKATKVQDIKNNLKEA IETIVAAMSNLVPPVELANPENQFRVDYILSVMNVPDFDFPPEFYEHA
KALWEDEGVRACYERSNEYQLIDCAQYFLDKIDVIKQADYVPSQDLLRCRVLTSGIFETKFQVDKVNFMFDVG
GQDERRKWIQCFNDVTAIIFVVASSSYNMVIREDNQTNRLQEALNLFKSIWNNRWLRTISVILFLNKQDLLAEK
VLAGKSKIEDYFPEFARYTTPEDATPEPGEDPRVTRAKYFIRDEFLRISTASGDGRHYCYPHFTCAVDTENIRRV
FNDCRDIIQRMHLRQYELL

6313/6881
FIGURE 5832

CCGCGCCGCCCGCAGCCCGGCCGCGCCCGCGCCGCCGCCGCCGCCGCCATGGGTGCCTCGGGAACAGTAAGACCG
AGGACCAGCGCAACGAGGAGAAGGCGCAGCGTGAGGCCAACAAAAAGATCGAGAAGCAGCTGCAGAAGGACAAGC
AGGTCTACCGGGCCACGCACCGCCTGCTGCTGCTGGGTGCTGGAGAATCTGGTAAAAGCACCATTGTGAAGCAGA
TGAGGATCCTGCATGTTAATGGGTTTAAATGGAGACAGTGAGAAGGCAACCAAAGTGCAGGACATCAAAAAACAAC
TGAAAGAGGCGATTGAAAACCATTTGGCCGCCATGAGCAACCTGGTGCCCCCGTGGAGCTGGCCAACCCCGAGA
ACCAAGTTCAGAGTGGACTACATCCTGAGTGTGATGAACGTGCCTGACTTTGACTTCCCTCCCGAATTCTATGAGC
ATGCCAAGGCTCTGTGGGAGGATGAAGGAGTGCCTGCCTGTACGAACGCTCCAACGAGTACCAGCTGATTGACT
GTGCCCAGTACTTCTGAGACAAGATCGACGTGATCAAGCAGGCTGACTATGTGCCGAGCGATCAGGACCTGCTTC
GCTGCCGTGTCTTGACTTCTTGAAATCTTTGAGACCAAGTTCCAGGTGGACAAAGTCAACTTCCACATGTTTGACG
TGGGTGGCCAGCGCGATGAACGCCGCAAGTGGATCCAGTGCTTCAACGATGTGACTGCCATCATCTTCGTGGTGG
CCAGCAGCAGCTACAACATGGTTCATCCGGGAGGACAACCAGACCAACCGCCTGCAGGAGGCTCTGAACCTCTTCA
AGAGCATCTGGAACAACAGATGGCTGCGCACCATCTCTGTGATCCTGTTCCCTCAACAAGCAAGATCTGCTCGCTG
AGAAAGTCCTTGCTGGGAAATCGAAGATTGAGGACTACTTTCCAGAATTGTGCTCGCTACACTACTCTGAGGATG
CTACTCCCAGACCCGGAGAGGACCCACGCGTGACCCGGGCCAAGTACTTTCATTGAGATGAGTTTCTGAGGATCA
GCACTGCCAGTGGAGATGGGCGTCACTACTGCTACCCTCATTTACCTGCGCTGTGGACACTGAGAACATCCGCC
GTGTGTTCAACGACTGCCGTGACATCATTCAGCGCATGCACCTTCGTGAGTACGAGCTGCTCTAAGAAAGGGAACC
CCCAAATTTAATTAAGCCTTAAGCACAATTAATTAAGAGTGAACGTAATTTGTACAAGCAGTTAATCACCCACC
ATAGGGCATGATTAAACAAAGCAACCTTTCCCTTCCCCGAGTGATTTTGCGAAACCCCTTTTCCCTTCAGCTTG
CTTAGATGTTCCAAATTTAGAAAAGCTTAAGGCGGCCTACAGAAAAAGGAAAAAAGGCCACAAAAGTTCCCTCTCA
CTTTAGTAAAAAATAAATAAAAAACGCAGCAGCAAACAAATAAAATGAAATAAAAGAAACAAATGAAATAAATATT
GTGTTGTGCAGCATTAAAAAAAATCAAAAATAAAAATTAATGTGAGCAAAG

6314/6881
FIGURE 5833

MGCLGNSKTEDQRNEEKAQREANKKIEKQLQKDKQVYRATHRLLLLGAGESGKSTIVKQMRILHVNGFNGDSEKA
TKVQDIKNNLKEALETIVAAMSNLVPPVELANPENQFRVDYILSVMNVPDFDFPPEFYEHAKALWEDEGVRACYE
RSNEYQLIDCAQYFLDKIDVIKQADYVPSDQDLLRCRVLTSGIFETKFQVDKVNFMFDVGGQDERRKWIQCFN
DVTAIIFVVASSSYNMVIREDNQTNRLQEALNLFKSIWNNRWLRTISVILFLNKQDLLAEKVLGKSKIEDYFPE
FARYTTPEDATPEPGEPRVTRAKYFIRDEFRLISTASGDGRHYCYPHFTCAVDTENIRRVFNDCRDI IQRMHLR
QYELL

6315/6881
FIGURE 5834

GGGGTCGGCCGGGTGCTGGGCCGAGGCCGAGGCCGGGGCGGGATCCAGAGCGGGAGCCGGCGCGGGATCTGGGAC
TCGGAGCGGGATCCGGAGCGGGACCCAGGAGCCGGCGCGGGGCCATGGCGAGGCGCGGGCCAGGGTGGCGGCCGC
TTCTGCTGCTCGTGCTGCTGGCGGGCGCGGCCGAGGGCGGGCCTCTACTTCCGCCGGGGACAGACCTGCTACCGGC
CTCTGCGGGGGGACGGGCTGGCTCCGCTGGGGCGCAGCACATAACCCCGGCCTCATGAGTACCTGTCCCCAGCGG
ATCTGCCCAAGAGCTGGGACTGGCGCAATGTGGATGGTGTCAACTATGCCAGCATCACCCGGAACCAGCACATCC
CCCAATACTGCGGCTCCTGCTGGGCCACGCCAGCACCAGCGCTATGGCGGATCGGATCAACATCAAGAGGAAGG
GAGCGTGGCCCTCCACCCTCCTGTCCGTGCAGAACGTCATCGACTGCGGTAACGCTGGCTCCTGTGAAGGGGGTA
ATGACCTGTCCGTGTGGGACTACGCCACCAGCACGGCATCCCTGACGAGACCTGCAACAACCTACCAGGCCAAGG
ACCAGGAGTGTGACAAGTTTAACCAATGTGGGACATGCAATGAATTCAAAGAGTGCCACGCCATCCGGAACCTACA
CCCTCTGGAGGGTGGGAGACTACGGCTCCCTCTCTGGGAGGGAGAAGATGATGGCAGAAATCTATGCAAATGGTC
CCATCAGCTGTGGAATAATGGCAACAGAAAGACTGGCTAACTACACCGGAGGCATCTATGCCGAATACCAGGACA
CCACATATATAAACCATGTCGTTTCTGTGGCTGGGTGGGGCATCAGTGATGGGACTGAGTACTGGATTGTCCGGA
ATTCATGGGGTGAACCATGGGGCGAGAGAGGCTGGCTGAGGATCGTGACCAGCACCTATAAGGATGGGAAGGGCG
CCAGATACAACCTTGCCATCGAGGAGCACTGTACATTTGGGGACCCATCGTTTTAAGGCCATGTCACTAGAAGCG
CAGTTTAAGAAAAGGCATGGTGACCCATGACCAGAGGGGATCCTATGGTTATGTGTGCCAGGCTGGCTGGCAGGA
ACTGGGGTGGCTATCAATATTGGATGGCGAGGACAGCGTGGCACTGGCTGCGAGTGTTCTGAGAGTTGAAAGTG
GGATGACTTATGACACTTGCACAGCATGGCTCTGCCTCACAATGATGCAGTCAGCCACCTGGTGAAGAAGTGACC
TGCGACACAGGAAACGATGGGACCTCAGTCTTCTTCAGCAGAGGACTTGATATTTTGTATTTGGCAACTGTGGGC
AATAATATGGCATTTAAGAGGTGAAAGAGTTCAGACTTATCACCATTCTTATGTCACTTTAGAATCAAGGGTGGG
GGAGGGAGGGAGGGAGTTGGCAGTTTCAAATCGCCCAAGTGATGAATAAAGTATCTGGCTCTGCACGAG

6316/6881
FIGURE 5835

MARRGPGWRPLLLLVLLAGAAQGGLYFRRGQTCYRPLRGDGLAPLGRSTYPRPHEYLSPADLPKSWDWRNVDGVN
YASITRNQHIPPQYCGSCWAHASTSAMADRINIKRKGAWPSTLLSVQNVIDCGNAGSCEGGNDLSVWDYAHQHGP
DETCNNYQAKDQECDKFNQCGTCNEFKECHAIRNYTLWRVGDYGSLSGREKMMAEIYANGPISCGIMATERLANY
TGGIYAEYQDTTYINHVVSVAGWGISDGTEYWIVRNSWGEPWGERGWLRIVTSTYKDGKGARYNLAIEEHCTFGD
PIV

6317/6881
FIGURE 5836

CGGGTAGCGCGCTCTGAAAGTTTATGACCGCCGCAGCCAACCTCTGGCCGGAGCTGGAGACGCAGCGAGCGATCG
GCCGGCCTCGAACCCCCACAGCTGGAGGGCGAGGCCAGCTGTACCCGGCCCCAGTGCCCTTTTCGCGGCCACAAGC
GGCCGTCTCTGGTCCGGTGCTCCGGCGCCTGATCTAGGTTCA**ATG**GAGCCGGGGCTGTGGCTCCTTTTCGGGGCT
CACAGTGACCTCCGCCGCAGGATTTCGTGCCTTGCTCCCAGTCTGGGGATGCTGGCAGGCGCGGCGTGTCCCAGGC
CCCCACTGCAGCCAGATCTGAGGGGGACTGTGAAGAGACTGTGGCTGGCCCTGGCGAGGAGACTGTGGCTGGCCC
TGGCGAGGGGACTGTGGCCCCGACAGCACTGCAGGGTCCAAGCCCTGGAAGCCCTGGGCAGGAGCAGGCGGCCGA
GGGGGCCCTGAGCACCACCGATCCAGGCGCTGCACGTGCTTCACCTACAAGGACAAGGAGTGTGTCTACTATTG
CCACCTGGACATCATTTGGATCAACACTCCCGAACAGACGGTGCCCTATGGAAGTGTCCAAGTGTGCTACTATTG
CCGGGGCAAGAGGTCTGCGGGGCCACTTCCAGGGAATCTGCAGCTCTCACATCGGCCACACTTGCCTGCGCTTG
TGTGGGGAGATATGACAAGGCCTGCCTGCACTTTTGCACCCAACTCTGGACGTGAGCAGTAATTCAAGGACGGC
AGAAAAACAGACAAAGAAGAGGAAGGGAAAGTTGAAGTCAAGGACCAACAAAGCAAGCAGGCTTTAGACCTCCA
CCATCCAAAGCTCATGCCCGCGAGTGGACTCGCCCTCGCTCCATCTACCTGCCCCCGCTGCCTCTTTTCAGGAAGG
AGCCCTTAGGAGGACAGGCCTGCAGCTCCAATTTTCATGCAGGAAATTGGTTTTGGAGAGTTTTGGCAAGTTGGA
AAGCCACTTACTGGCTTTTGCATGACTTCTCTTGGAGAATAAGTGGACTCCAAGCTAACTCTTTGCAAAATGTAA
ACACATGTCCATCTTGTATAATAAATGCAAAATGCCCGTGCAGCAGAAGCATGCGACTTTTCATATCCTTGCTTAGA
ATAGGCTGCATGGTGTATGTCAGTGAGGGCCACGAGGCGTCGGCTTTAGACACAGATCATAGCTCTACAGGAGTT
TATGAATTTGAAGCTTATGGGATTTTGGCAGAGAAATTTTCAGCTGTGCTTGATACCCACCAAAAGAATGTATCT
CGAAAGAATGAAGGAAGAAGAAAAAGGATCCTTGATGTTTGTGACAAGAAAATGAGAAAGTTAGTATCTGCAAT
ACAGAGCTTGTTCTGTTTCAGTGACTGACCCTCTGTATTCTGTATAGACACCAGGCCGATACACAGTGGAGTTCC
CAGGCCTTGTTTGCAGGAAGCCGACTGTAAAGACAGCCCCAGCTCAAGGCTATTAGGTTGAATATTTGCTTTTCAT
GAGTAAATGTGGATCTTTGGGGAATGGCTTCAAAATAAGTCACGAACACAAATCTTTGTAAATTATGTAAATTC
CTGTTTATATAAATTGGCAACAACTTATACCGTCTGACAGTTCAAAATCTCTTTTCAGCTGCGCTCTTCCCACCGA
GCCGAGCTTACTGTGAGTGTGGAGATGTTATCCACCATGTAAAGTCGCCTGCGCAGGGGAGGGCTGCCCATCTC
CCCAACCCAGTCACAGAGAGATAGGAAACGGCATTGAGTGGGTGTCCAGGGCCCCGTAGAGAGACATTTAAGAT
GGTGTATGACAGAGCATTGGCCTTGACCAAATGTTAAATCCTCTGTGTGTATTTTCATAAGTTATTACAGGTATAA
AAGTGATGACCTATCATGAGGAAATGAAAGTGGCTGATTTGCTGGTAGGATTTTGTACAGTTTAGAGAAGCGATT
ATTTATTGTGAAACTGTTCTCCACTCCAACCTCCTTTATGTGGATCTGTTCAAAGTAGTCACTGTATATACGTATA
GAGAGGTAGATAGGTAGGTAGATTTTAAATTGCATTCTGAATACAACTCATACTCCTTAGAGCTTGAATTACAT
TTTTAAATGCATATGTGCTGTTTGGCACCGTGGCAAGATGGTATCAGAGAGAAACCCATCAATTGCTCAAATAC
TCAGAAAGTACTGTCAAAAGCCTAATAAAAAACCTAAAGTTTGCTCTG

6318/6881
FIGURE 5837

MEPGLWLLFGLTVISAAGFVPCSQSGDAGRRGVSQAPTAARSEGDCEETVAGPGEETVAGPGEGTVAPTALQGPS
PGSPGQEQAAEGAPEHHRSSRRTCTFTYKDKECVYYCHLDIIWINTPEQTVPYGLSNYRGSFRGKRSAGPLPGNLQ
LSHRPHLRCAVCGRYDKACLHFCTQTLDVSSNSRTAEKTDKEEEGKVEVKDQQSKQALDLHHPKLMPGSGLALAP
STCPRCLFQEGAP

6319/6881
FIGURE 5838

GGCACGAGGCGGCCGCCCGCCGGCATGAGCTACGACCGCGCCATCACCGTCTTCTCGCCCGACGGCCACCTCTTC
CAAGTGGAGTACGCGCAGGAGGCCGTCAAGAAGGGCTCGACCGCGGTTGGTGTTGAGGAAGAGACATTGTTGTT
CTTGGTGTGGAGAAGAAGTCAGTGGCCAAACTGCAGGATGAAAGAACAGTGCGGAAGATCTGTGCTTTGGATGAC
AACGTCTGCATGGCCTTTGCAGGCCTCACCGCCGATGCAAGGATAGTCATCAACAGGGCCCGGGTGGAGTGCCAG
AGCCACCGGCTGACTGTAGAGGACCCGGTCACTGTGGAGTACATCACCGCTACATCGCCAGTCTGAAGCAGCGT
TATACGCAGAGCAATGGGCGCAGGCCGTTTGGCATCTCTGCCCTCATCGTGGGTTTCGACTTTGATGGCACTCCT
AGGCTCTATCAGACTGACCCCTCGGGCACATACCATGCCTGGAAGGCCAATGCCATAGGCCGGGGTGCCAAGTCA
GTGCGCGAGTTCCTGGAGAAGAACTATACTGACGAAGCCATTGAAACAGATGATCTGACCATTAAGCTGGTGATC
AAGGCACTCCTGGAAGTGGTTCAGTCAGGTGGCAAAAACATTGAACTTGCTGTGTCATGAGGCGAGATCAATCCCTC
AAGATTTTAAATCCTGAAGAAATTGAGAAGTATGTTGCTGAAATTGAAAAAGAAAAAGAAGAAAACGAAAAAGAG
AAACAAAAGAAAGCATCATGATGAAATAAAATGTCTTTGCTTGTAATTTTTAAATTCATATCAATCATGGATGAGT
CTCGATGTGTAGGCCTTTCCATTCCATTTATTCACACTGAGTGTCTACAATAAACTTCCGTATTTTT

6320/6881
FIGURE 5839

MSYDRAITVFSPDGHLFQVEYAQEAVKKGSTAVGVRGRDIVVLGVEKKSVAKLQDERTVRKICALDDNVCMAFAG
LTADARIVINRARVECQSHRLTVEDPVTVEYITRYIASLKQRYTQSNRRPFGISALIVGFDFDGTPLRYQTDPS
GTYHAWKANAIGRGAKSVREFLEKNYTDEAIETDDLTIKLVIKALLEVVQSGGKNIELAVMRRDQSLKILNPEEI
EKYVAEIEKEKEENEKKKQKKAS

6321/6881
FIGURE 5840A

GCAGCCGGAGTATCCACCTCGATGACCACGGGCTGAGCCCCGCGCCGCCACCATGTCCGTGGCCTTCGCGTCTGC
CCGGCCAAGAGGCAAAGGGGAGGTTACGCAGCAAACCATCCAGAAGATGCTGGACGAGAACCACCACCTGATCCA
GTGCATCCTGGAGTACCAGAGCAAGGGCAAGACGGCCGAGTGCACGCAGTACCAGCAGATCCTGCACCGGAACCT
GGTATACCTGGCCACGATCGCAGACTCCAACCAGAACATGCAGTCCCTGCTTCCTGCCCCGCCCACGCAGAACAT
GAACCTGGGGCCTGGAGCCCTGACTCAGAGCGGCTCCAGCCAGGGCCTGCACTCTCAGGGCAGCCTGAGTGACGC
CATCAGCACGGGCCTGCCACCCTCCTCCCTCCTGCAGGGCCAGATTGGCAACGGGCCGAGCCACGTGTCCATGCA
GCAGACGGGCGCCTAACACGCTGCCCACCACCTCCATGAGCATCTCTGGGCCCGGCTACAGCCACGCGGGACCCGC
CTCGCAGGGCGTCCCCATGCAGGGGCAAGGCACCATCGGCAACTACGTGTCTCGGACCAACATCAACATGCAGTC
CAACCCAGTCTCCATGATGCAGCAGCAGGCGGCCACGTGCGACTACAGCTCGGCGCAGGGCGGCAGCCAGCACTA
CCAGGGCCAGTCGTCCATCGCCATGATGGGGCAGGGCAGCCAGGGGAGCAGCATGATGGGGCAGCGGCCCATGGC
GCCCTACCGGCCCTCCAGCAAGGCTCTTCCAGCAGTACCTGGGCCAGGAGGAGTACTATGGCGAGCAGTACAG
CCACAGCCAGGGCGCCGCGGAGCCCATGGGCCAGCAGTACTACCCCGACGGCCATGGCGATTACGCCTACCAGCA
GTCATCCTACACGGAGCAGAGCTACGACCGGTCTTCGAGGAGTCCACGCAGCACTACTATGAGGGGGGAAACTC
CCAGTACAGCCAGCAGCAGGCGGGTACCAGCAGGGTGCCGCGCAGCAGCAGACGTACTCCCAGCAGCAGTACCC
CAGCCAGCAGAGCTACCCCGGGCAGCAGCAGGGCTACGGGTCTGCCAGGGAGCCCCGTACAGTACCCCGGGCTA
CCAGCAAGGCCAAGGCCAGCAGTACGGAAGCTACCGAGCACCGCAGACAGCGCCGTCTGCCAGCAGCAGCGGCC
CTACGGCTATGAACAGGGCCAGTATGGAAATTACCAGCAGTAAAGGGACACACATTCTGGCTGGAGCCCTTGTGGT
AGCGTGTTTCATCCAGGGGCCGATGGGCTGGCGGCAGCTCTGGTGAATTGTGACATGTTGGTTACCTGTTCCGCC
AGTGCCACGTCTGCATGTGAAGCGTGCTCATTTTCATGCTGGGTATGACGCCGAGCGCACACCACTGGCGTGAGAC
AGCGCTTGGTGGTGTGATACTTTTGGTGCTGTGTATAGTATTGTATGTGCGGTACACGGAGAGGTATCCTTTTTTT
GTCCCCCGCCCCCTTCTCAATGTTTCTAGCTAGCTTTGGGGGTCATTTTGTTCATCAGAGCATTCTGTGCCAGGG
ACAGGACAGATCTCGAGGACACCACAGTCCACCTGTTCCCGTCAACAGACGTTAGGTCTCATTTTTCTCTCATG
CAGTGTTGTAGTGTGGGTGTCAACTTTTTCTTTAACTGGCTACGCCACAGCTGGACACACATGCAGCCCCCTGGAG
GGCAGCCTCTTCCGTGTCCTCGATGGGGTGGGTGGGAGGGCATCTTCTGTGCGTTGGGTGAGTTTCTGTTACGTA
ACGAAAAGGATAAACATCTCCACGGGAGAGGCCACAGATGGCCACTTCCAGAGCTTGCCATTGCCTGTCTCTC
GCCAATTCGGTTTATCCAAAAGGTACATGTTTTTGTATTAAAAAGTAAACAGGGATCAGTGACTGTATTCCAAA
TAAATATGAATCCCTAAGGGCCGTGGACAAATTGCCTAACCCAGGGCCAGCGGTATTGCTGAAGGAAAGGGGCAG
CTCTCTGGGAAGTGGGCCCTCAGAGATTACTCTGGCTTTGACCCTTGTTTTAGCTGATGGTCATTTCTGGGATTGG
AATATTTAATAAGCCCAATTCTAAGTTGATAGGTAATTTTAAATATTCAAACCAATCTTCCCAACAGTTGGCAA
GTTGTTTTATTTTATATTATTTCTTCCAGGACCTACTTGCTCAGATCTCCAAGCAAGCATTTCTTTTCTTTAGGG
ATGTCTGAAAGTCACATCCAGTTACATTACTGTGTTCTTTCTAATGAAAAGTAAAGTTTTATATAGAGAACTT
GAGTAATTTTTACATTTCTAAGACATTAAATCCCATTAAATTTCTGTGTGAACATTAAAGACAGCACACTTGCAA
AAGTATGGTCAAAGGAAAAAATCCACATTTCAATTAACAAGTAGCATGGACATTTGATCAACCTTTAGTTGGA
ATAATAATATTCATATTTGCTATGAATCCTTTTAAAAAATCTTTGGATAAATGCTGACAGATTTCCAAGAATA
CCAAGAAAATACAAGAGATATCCAATGCTTGATATATGAGGCCTAGTAATAACGATATTTCTCTTTAATTGATGT
TTTGTTTTAAAGTTAAAGTAATTCTTGCGTGTTGGTTCACGCCTGTAATCCAGCACTTTGGGAGGCCGAAG
CGGGCGGATCACCTGAGGTGCGGAGTTCGAGACCAGCCTGACCAACATGGAGAAACCCGTCCTACTAAAAATA
CAAAATTAGCCAGGTATGGTGGTGCATACCTGTAATCCAGCTACTCGGGAACCTGAGGCAGGAGAATGGCTTGA
ACCCAGGAGACAGAGTTGTGGTGGGGCAAGATCGCACCATTGCACCCGAGCCTAGGCAACAAGAGTGAAATTCC
GTCTCAAAAAAATAAATAAATAAATAAATAAAGTTAAATTAATTCTTTATCCAGAGTCGGGTGCTTTAGAA
TTTATAAGTCACTTATGTGTTTTGCTTGAATTAATTCTGACAGCCCCTATGAGGAAATCTGGAGGCAGGTAACAG
TTCCCATTTTAGAGATGAAGAACTGAGGCACAGATTAAAGGACTTGCCGTGTGTTGAATACCAGTCTGTCTTAGG
ACATTCTCCCCTCTCCTAGGAGACGGATGTCACGCACAAATGGGGAGAGAAGTGTATTTTGTAGGCACTAAGG
GTTTCTAAAACCTTAACACTGGTAAGGGCTCAAAAATAAACGTATGTGTTTCATATTCGATCACCGAAATGAGAG
TTCTTAATTGCTAATTGACAAACGCGTTAGCAATTTTCAGTTAGGGAGTCATCTCCCTTGATTGTGTTCTTTCTCT
GTCAATTTTCATAGACCTAATTTGCAAACTCAATCGGGGACTAAATTTCCCACTGAAAATGTTAAACATTTTAG
ATAACTGTGAAGATAGTTTTATTTTTATTCCTTGCCAATCTGGGAATATGCCTTTTTTGTGTGTTGTGTTTTT
TTAAGTGCTGTATTAATAATACTTTCTGAAAGAAAAGGACACTTACCCCAAACCTTCAATCTGAAATGTCTTACA

6322/6881
FIGURE 5840B

TTAAGAATATCTTGAATGTTGTGTATATATTTTAAAAAGCACTTTGCAAAATAGTTTGTACATTTATTTCTAAT
TTATACATGATTTTTGGTGTTAATATATTTAATGATTAATAACAGAATGTTTATTTAATGTGCTGTCCATTTTTA
TGTAATATTATGGGGAAAGTGATGCCAGCAGTTCCTTTTCATTATTCTATCTTCTGTCATATGAATGTTGAGCAA
AGCTTAGGCCAACATGAATTGTTTGTGAAGTGTGGTTGATGGTGCTTTGTTTTTTCTGACTACTTCTATGGAAG
GCCAGTGAAGAAGCAAAGGAAGACATGAAAATTGACGCTCATTCTTCTTCCTATTGTTCCCTGACATCCAGCAAA
TTGTGAATTTGAAAAATGATGGCCAGTTTTTCAGAAGTGCTGACAAAATTCATATTGGTATGCAAAAGCTCATCACC
CATTAAAGGTTTGTGTTGAATCAACAGTACTCAGCATATTTAAACAGTACATCAGAACTCATGCCAACAGTCTTT
ATGATGGGATTAAGGTGGACAAGATCTCCTAAGATCTGTGAATGGGATTAAGGTGGACAAGATCTCCTAAGATCT
GAAAAGAAACCTTAATACGCTCATATGGTTGGAGTGTTAAGTGAACCTCTGATTTTGTGAGGGTTTTCTACGTG
TAGGCGTGAATAGGGGGCACCCTTCAAACTGTACAAAGAAGACGACTGTTTTCCATTTCCATTTAAACATTTT
TAGCCACTTCATTTCTATTTATTGAACAGGTCAAATTTGTCTTGTTATTTGTGAGTACAGTACATTTAAAAACA
TCCTTATCGGTTATTTTTTTTTTTCAGTCGGAGTTTGACGTATAAATTGTTTATGCTTTTGGTGTAAATCTCTTAATA
AACTGGTTCTTCAAAAATC

6323/6881
FIGURE 5841

MSVAFASARPRGKGEVTQQTIQKMLDENHHLIQCILEYQSKGKTAECTQYQQILHRNLVYLATIADSNQNMQSLL
PAPPTQNMNLGPGALTQSGSSQGLHSQGSLSDAISTGLPPSSLLQGQIGNGPSHVSMQQTAPNTLPTTSMISGP
GYSHAGPASQGVPMQGQGTIGNYVSRTNINMQSNPVSMQQQAATSHYSSAQGGSQHYQGQSSIAMMGQGSQGSS
MMGQRPMAPYRPSQQGSSQQYLGQEEYYGEQYSHSQGAAEPMGQQYYPDGHGDYAYQQSSYTEQSYDRSFEESTQ
HYYEGGNSQYSQQQAGYQQGAAQQQTYSQQQYPSQQSYPGQQQGYGSAQGAPSQYPGYQQGQGQQYGSYRAPQTA
PSAQQQRPYGYEQGQYGNYQQ

6324/6881
FIGURE 5842

GGGGCC**ATG**GCACCTGCAAGGTGTTTCTCAGCAAGATTGAGGACCGTGTTTCAGGGCGTGGGGCATTGGGCTTTG
TCCACATGGGCTGGCCTGAAGCCCAGCCGGCTACTGCCACAGCGGGCTTCTCCCAGGCTGCTCTCGGTTCGGCCGT
GCGGACCTCGCCAAGCATCAGGAACCTCCCGGGGAAGAAGCTGCTCTCTGAGAAAAAGCTGAAAAGGTACTTTGTG
GACTATCGGAGAGTGCTTGTCTGTGGAGGAAACGGAGGCGCTGGGGCAAGCTGCTTCCACAGTGAGCCCCGCAAG
GAGTTTGGAGGGCCCTGATGGAGGGGACGGAGGCAACGGTGGACACGTCATTCTGAGAGTTGACCAGCAAGTCAAG
TCCCTGTCTCGTTCGTCTGTCTGCGGTACCAGGGTTTCAGTGGAGAAGATGGAGGGAGTAAAACTGCTTCGGGCGC
AGTGGCGCCGTCTCTACATCCGGGTCCCGTGGGCACGCTGGTGAAGGAGGGAGGCAGAGTTGTGGCCGACCTG
TCTTGGTGGGAGATGAGTACATTGCCGCGCTGGGCGGGGAGGAGGGAAAGGCAACCGCTTCTTCTGGCCAAC
AACAACCGTGCCCTGTGACCTGTACCCCTGGACAGCCAGGACAGCAGCGAGTTCTCCACCTGGAGCTCAAGACG
GTGGCCACGCCGGAATGGTGGGATTCCCCAACGCCGGGAAGTCTCACTGCTCCGGGCCATTTCAAACGCCAGA
CCCGCCGTGGCTTCTTACCCGTTACCAACCTGAAGCCCCACGTCGGGATCGTCCACTACGAAGGCCACCTACAA
ATAGCAGTGGCCGACATCCCCGGCATCATACGAGGCGCCACAGAACAGGGGTCTGGGGTCCGCCTTCTCAGG
CACATCGAGCGCTGCCGCTTTCTCTTGTTCGTGGTGGATCTTTCTCAGCCTGAGCCGTGGACTCAAGTTGACGAT
TAAAAATATGAACTGGAGATGTATGAAAAGGGCCTGTCTGCGAGGCCCCACGCAATCGTCGCAAACAAGATTGAC
CTCCCTGAAGCCCCAAGCCAATCTGTCCAGCTCCGGGATCACTTGGGACAGGAGGTCACTGTCTGTCTGGCGTTG
ACCGGCGAGAACCTGGAGCAGCTGCTGTTGCACCTGAAGGTGCTGTATGACGCCTACGCGGAGGCCGAGCTGGGC
CAGGGCCGCCAGCCGCTCAGGTGGT**TAG**CCACGCCAGAGCGGGGTGCGCTCTGGGGCTCTGTCTGAGCAAACCTGG
GTGTGAATTCGGTGGTTTTGAATGCATAAAGTGCCTTGTGGACACGGGGGAGTTGTGGTGCTTCTGGGTCTCTGG
GCCCCGCTGTGGCCTGAGATGCCCTCATGTTGGGAAGCATTCCGTGCCCCCTACCCCGCTGCCCTCCGTATT
TCCTGCACCTGTCAGCCTGCACCGACTGATGAGCCAGTTGCTCATTTGTGCTGATTAACACCCCTAATAAGGGGT
TGGGGTGCCATAACGGGGTGGCCCTGCCGCTGACTCAGGTCTCCGCCATGCACGCGTGGACTCTCGGATGAGCT
CAGCAGAAACCGCACAGCCAGAGCCCCAGGTGAGAAGTGCAGACCAGGGTTCTCAGCACAGTGCCCGTCTGTCTC
CATGGCTTGCTACGGAGAGAGACCTCTGGATCCACACTGGGGCTGCGTCTGGCCCGTTGTCCAGCAGCCCTGCGG
TACCGCAAGCCAGGCACCAAGTGTCTCGGGGGGCTCACTGCTGCGCAAGGGGTGGGGCCGAGGATGCAAGTCCA
GGCAGAGCGGCGCAGGCAGCTGTGAGCTTTTCTCCATCAGCCGTCTGAGAAGAGCAGTGAGGCCAGCTGCTTCCT
GTCCCTTCAGAACACTTCTCTGTGCTCAGTGGGAGCCAGGAAGCCTCAGGCTTCACGACTGAATGCACCCAATATC
CGACCTGGCTGCGTGTTTCTGGCTGGGCTGCCGTGTGCACAGCAAGTTAACTAGAGGGGCTGTGGGCCATGGAAC
TGTCAGCGTTATTCTCAGAAGGCGGCCGTGGCATGGGCAGGGTATAGTGAGGAGTGGAAGGAGACGTGTGCCTGG
TAATATGGGGCGGAATTTCCACTCAGCTCCATTTGCTGGGGATTTAAAGAGAACCCTTGTGCTACGCCAGGCAGT
TACCGAGCCGAAGGGAGATGATGGGCCTTCGCCCTCAGTGGGATGGCAGCTGAGGGGGCCCTGCATTTGACCGT
CGAGACTGCAGCAGCGCCTTCTCTGTCTGTGGTTTAAAGTCTTTGCAGTCAAGTACTGATGCATCCAAGCCAGGCC
CATGCCTGGTGTCTCCCTGACTGCAGAGGAGCCCCAGGGCAAGGACAGCTCAGCTGCTGGCAGCCTGCCTGGCCC
ATAGACATCCCCCAAGTAGTCTCAGGCCTCTGACATGTCCCTGAGGGGGCCCTAAGAAAAGAAAGTGGAGGGGACA
CTCCAGAGGCTGTCTGGGAGGATCATGTGAGCCTGGGAGGTCAAGGCTGCAGTGAGCCGTGATTGCACCACTGC
ACTCCAGCCTGAGTGACAGAGCGAGACCTGTCTCAAAAAACAAACAAACAAACAAACAAACAGAACATTCTG
GGCACGGTGGCTCATGCCTGTAGTCCCAGCACTTTGGGAGGCGGAGGCTGGTGGATCAAGGTCAAGGAGATTGA
GACCATCCTGGCTAACACAGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGCCAGGCGTGGTGGCGGTC
ACCTGTAGTCCCAGCTACTCGGGAGGCTGAAGCAGGAGAATGGCGTGAACCTGGGAGGCGGAGCTTGAGTGAGC
CGAGATCACACCACTGCACTCCAGCCTGAGCGACAGAGCAAGACTCCATCTC

6325/6881
FIGURE 5843

MAPARCF SARLRTVFQGVGHWALSTWAGLKPSRLLPQRASPRLLSVGRADLAKHQELPGKKLLSEKKLKRYFVDY
RRVLVCGGNGGAGASCFHSEPRKEFGGPDGGDGGNGGHVILRVDQQVKSLSVLSRYQGFSGEDGGSKNCFGRSG
AVLYIRVPVGTILVKEGGRVVADLSCVGDEYIAALGGAGGKGNRFFLANNNRAPVTCTPGQPGQQRVLHLELKTVA
HAGMVGFPNAGKSSLLRAISNARPAVASYPFTTLKPHVGIVHYEGHLQIAVADIPIGIIRGAHQNRGLGSAFLRHI
ERCRFLLFVVDLSQPEPWTQVDDLKYELEMYEKGLSARPHAIVANKIDLPEAQANLSQLRDHLGQEVIVLSALTG
ENLEQLLLHLKVLYDAYAEAELGQGRQPLRW

6326/6881
FIGURE 5844

GCGAGCCCGGACGGCGCCTCTCGAACGAGTGTGGGCGCGAGGCAGGATGACGACCTCAGGCGCGCTCTTTCCAAG
CCTGGTGCCAGGCTCTCGGGGCGCCTCCAACAAGTACTTGGTGGAGTTTCGGGCGGGAAAGATGTCCCTGAAGGG
GACCACCGTGACTCCGGATAAGCGGAAAGGGCTGGTGTACATTACGACAGACGGACGACTCGCTTATTCACTTCTG
CTGGAAGGACAGGACGTCCGGGAACGTGGAAGACGACTTGATCATCTTCCCTGACGACTGTGAGTTCAAGCGGGT
GCCGAGTGCCCCAGCGGGAGGGTCTACGTGCTGAAGTTCAAGGCAGGGTCCAAGCGGCTTTTCTTCTGGATGCA
GGAACCCAAGACAGACCAGGATGAGGAGCATTGCCGAAAGTCAACGAGTATCTGAACAACCCCCCGATGCCTGG
GGCACTGGGGGCCAGCGGAACGAGCGGCCACGAACCTCTCTGCGCTAGGCGGTGAGGGTGGCCTGCAGAGCCTGCT
GGGAAACATGAGCCACAGCCAGCTCATGCAGCTCATCGACCAGCCGGCCTCGGAGGACTGGGTGGGCTGGGGGC
CCTGACTGGACCTGGCCTGGCCAGCTTACTGGGGAGCAGTGGGCCTCCAGGGAGCAGCTCCTCCTCCAGCTCCCG
GAGCCAGTCGGCAGCGGTACCCCCGTCATCCACCACCTCTTCCACCCGTGCCACCCAGCCCCCTTCTGCTCCAGC
AGCTGCCTCAGCAACTAGCCCCAGCCCCGCGCCAGTTCCGGGAATGGAGCCAGCACAGCAGCCAGCCGACCCA
GCCCATCCAGCTGAGCGACCTCCAGAGCATCCTGGCCACGATGAACGTACCAGCCGGGCCAGCAGGCGGCCAGCA
AGTGGACCTGGCCAGTGTGCTGACGCCGAGATAATGGCTCCCATCCTCGCCAACGCGGATGTCCAGGAGCGCCT
GCTTCCCTACTTGCCATCTGGGGAGTCGCTGCCGAGACCGCGGATGAGATCCAGAATACCCTGACCTCGCCCCA
GTTCCAGCAGGCCCTGGGCATGTTGAGCGCAGCCTTGGCCTCGGGGCAGCTGGGCCCCCTCATGTGCCAGTTCGG
TCTGCCTGCAGAGGCTGTGGAGGCCGCCAACAAGGGCGATGTGGAAGCGTTTGCCAAAGCCATGCAGAACACGC
CAAGCCCGAGCAGAAAGAGGGCGACACGAAGGACAAGAAGGACGAAGAGGAGGACATGAGCCTGGACTGAGCCAC
GCGCCGTCTCCGAGGAAC TGGGCGCTTGCAGTGCGTTGCACACCCTCACCTCCCACCCACTGATTATTAATAAA
GTCTTTTCTTTTACCTGCAAAAAAA

6327/6881
FIGURE 5845

MTTSGALFPSLVPGSRGASNKYLVEFRAGKMSLKGTTPDKRKGLVYIQQTDDSLIHFCWKDRTSGNVEDDLII
FPDDCEFKRVPQCPSGRVYVLKFKAGSKRLFFWMQEPKTDQDEEHCRKVNEYLNNEPMPGALGASGTSGHELSAL
GGEGGLQSLLGNMSHSQMLQIGPAGLGGLGGLGALTGPGLASLLGSSGPPGSSSSSSSSRSQSAAVTPSSTTSST
RATPAPSAPAAAASATSPSPAPSSGNGASTAASPTQPIQLSDLQSILATMNVFAGPAGGQQVDLASVLTPEIMAPI
LANADVQERLLPYLPSGESLPQTADDEIQNTLTSPQFQALGMFSAALASGQLGPLMCQFGLPAEAVEAANKGDVE
AFAKAMQNNNAKPEQKEGDTKDKKDEEEDMSLD

6328/6881
FIGURE 5846A

ATGGCGAAGCGGCTCTGCGCGGGGAGCGCACTGTGTGTTTCGCGGCCCCCGGGCCCCGCGCCGCTGCTGCTGGTC
GGGCTGGCGCTGCTGGGCGCGGCGCGGGCGGGAGGAGGCGGGCGGGCTTCAGCCTGCACCCGCCCTACTTC
AACCTGGCCGAGGGCGCCCGCATCGCCGCCCTCCGCGACCTGCGGAGAGGAGGCCCCGCGCGCGGCTCCCCGCGC
CCCACCGAGGACCTTTACTGCAAGCTGGTAGGGGGCCCCGTGGCCGGCGGCGACCCCAACCAGACCATCCGGGGC
CAGTACTGTGACATCTGCACGGCTGCCAACAGCAACAAGGCACACCCCGCGAGCAATGCCATCGATGGCACGGAG
CGCTGGTGGCAGAGTCCACCGCTGTCCCGCGGCCCTGGAGTACAACGAGGTCAACGTACCCCTGGACCTGGGCCAG
GTCTTCCACGTGGCCTACGTCTCATCAAGTTTGCCAACTCACCCCGCGCGGACCTCTGGGTGCTGGAGCGGTCC
ATGGACTTCGGCCGCACCTACCAGCCCTGGCAGTTCTTTGCCTCCTCCAAGAGGGACTGTCTGGAGCGGTTCGGG
CCACAGACGCTGGAGCGCATCACACGGGACGACGCGGCCATCTGCACCACCGAGTACTCACGCATCGTGCCCTG
GAGAACGGAGAGATCGTGGTGTCCCTGGTGAACGGACGTCCGGGCGCCATGAATTTCTCTACTCGCCGCTGCTA
CGTGAGTTTACCAAGGCCACCAACGTCCGCCCTGCGCTTCCTGCGTACCAACACGCTGCTGGGCCATCTCATGGGG
AAGGCGCTGCGGGACCCCAACGTCACCCGCCGCTATTATTACAGCATCAAGGATATCAGCATCGGAGGCGCGTGT
GTCTGCCACGGCCACGCGGATGCCTGCGATGCCAAAGACCCACGGACCCGTTTCAAGGCTGCAGTGCACCTGCCAG
CACAACACCTGCGGGGGCACCTGCGACCGCTGCTGCCCCGGCTTCAATCAGCAGCCGTGGAAGCCTGCGACTGCC
AACAGTGCCAACGAGTGCCAGTCTGTAACTGCTACGGCCATGCCACCGACTGTTACTACGACCCCTGAGGTGGAC
CGGCGCCGCGCCAGCCAGACCTGGATGGCACCTATCAGGGTGGGGGTGTCTGTATCGACTGCCAGCACCACACC
ACCGGCGTCAACTGTGAGCGCTGCCTGCCCGGCTTCTACCGCTCTCCCAACCACCCCTCTCGACTCGCCCCACGTC
TGCCGCGCGCTGCAACTGCGAGTCCGACTTCACGGATGGCACCTGCGAGGACCTGACGGGTGATGCTACTGCCGG
CCCAACTTCTCTGGGGAGCGGTGTGACGTGTGTGCCGAGGGCTTACGGGCTTCCCAAGCTGCTACCCGACGCCC
TCGTCTCTCAATGACACCAGGGAGCAGGTGCTGCCAGCCGGCCAGATTGTGAATTGTGACTGCAGCGCGGCAGGG
ACCCAGGGCAACGCCTGCCGGAAGGACCCCAAGGGTGGGACGCTGTCTGTGCAAACCCAACTTCCAAGGCACCCAT
TGTGAGCTCTGCGCGCCAGGGTTCTACGGCCCCGGCTGCCAGCCCTGCCAGTGTTCAGCCCTGGAGTGGCCGAT
GACCGCTGTGACCCCTGACACAGGCCAGTGCAAGTGCCGAGTGGGCTTCGAGGGGGCCACATGTGATCGCTGTGCC
CCCGGCTACTTTCACTTCCCTCTCTGCCAGTTGTGTGGCTGCAGCCCTGCAGGAACCTTGCCCGAGGGCTGCGAT
GAGGCGCGCCGCTGCCTATGCCAGCCTGAGTTTGTGTGGCTGCAGCCCTGCAGGAACCTTGCCCGAGGGCTGCGAT
TTCCCCAACTGCCAAGCATGCACCTGCGACCCCTCGGGGAGCCCTGGACCAGCTCTGTGGGGCGGGAGGTTTGTGC
CGCTGCCGCCCCGGCTACACAGGCACTGCCTGCCAGGAATGCAGCCCCGGCTTTCACGGCTTCCCCAGCTGTGTC
CCCTGCCACTGCTCTGCTGAAGGCTCCCTGCACGCAGCCTGTGACCCCCGGAGTGGGCAGTGCAGCTGCCGGCCC
CGTGTGACGGGGCTGCGGTGTGACACATGTGTGCCCGGTGCCTACAACCTTCCCTACTGCGAAGCTGGCTCTTGC
CACCTGCGCGGTCTGGCCCCAGTGGATCCTGCCCTTCCCTGAGGCACAGGTTCCCTGTATGTGCCGGGCTCACGTG
GAGGGGCCGAGCTGTGACCGCTGCAAACCTGGGTTCTGGGGACTGAGCCCCAGCAACCCCCGAGGGCTGTACCCGC
TGCAGCTGCGACCTCAGGGGCACACTGGGTGGAGTTGCTGAGTGCCAGCCGGGCACCGGCCAGTGTCTTGTCAAG
CCCCACGTGTGCGGCCAGGCCTGCGCGTCTTGAAGGATGGCTTCTTTGACTGGATCAGGCTGACTATTTTGGC
TGCCGAGCTGCCGGTGTGACATTGGCGGTGCACTGGGCCAGAGCTGTGAACCGAGGACGGGCGTCTGCCGGTGC
CGCCCCAACACCCAGGGCCCCACCTGCAGCGAGCCTGCGAGGGACCACTACCTCCCGGACCTGCACCACCTGCGC
CTGGAGCTGGAGGAGGCTGCCACACCTGAGGGTACGCGGTGCGCTTTGGCTTCAACCCCCCTCGAGTTCGAGAAC
TTCAGCTGGAGGGGCTACGCGCAGATGGCACCTGTCCAGCCCAGGATCGTGGCCAGGCTGAACCTGACCTCCCCCT
GACCTTTTCTGGCTCGTCTTCCGATACGTCAACCGGGGGGCCATGAGTGTGAGCGGGCGGGTCTCTGTGCGAGAG
GAGGGCAGGTGCGCCACCTGCGCCAACCTGCACAGCACAGAGTCAGCCCGTGGCCTTCCACCCAGCACGGAGCCT
GCCTTCATCACCGTGCCCCAGAGGGGCTTCGGAGAGCCCTTTGTGCTGAACCTGGCACCTGGGCCCTGCGTGTG
GAGGCCGAAGGGGTGCTCCTGGACTACGTGGTTCTGCTGCCTAGCGCATACTACGAGGCGGCGCTCCTGCAGCTG
CGGGTGAAGTGGCCCTGCACATACCGTCCCTCTGCCAGAGTCTGGCGACAACCTGCCTCCTCTACACACACCTC
CCCCTGGATGGCTTCCCTCGGCCGCGGGCTGGAGGCCCTGTGTGCCAGGACAACAGCCTGCCCCGGCCCTGC
CCCACGGAGCAGCTCAGCCCGTGCACCCGCCACTGATCACCTGCACGGGCAGTGTGTGGACGTCCAGCTTCAA
GTGGCAGTGCCACAGCCAGGCCGCTATGCCCTAGTGGTGGAGTACGCCAATGAGGATGCCCGCCAGGAGGTGGGC
GTGGCCGTGCAACCCACAGCGGGCCCCCAGCAGGGGCTGCTCTCCCTGCACCCCTGCCTGTACAGCACCCCTG
TGCCGGGGCACTGCCCGGGATACCCAGGACCACCTGGCTGTCTTCCACCTGGACTCGGAGGCCAGCGTGAGGCTC
ACAGCCGAACAGGCACGCTTCTTCTGTCACGGGGTCACTCTGGTGCCATTGAGGAGTTACGCCCCGAGTTCTGTG

6329/6881
FIGURE 5846B

GAGCCCCGGGTCAGCTGCATCAGCAGCCACGGCGCCTTTGGCCCCAACAGTGCCGCCTGTCTGCCCTCGCGCTTC
CCAAAGCCGCCCCAGCCCATCATCCTCAGGGACTGCCAGGTGATCCCGCTGCCGCCCCGGCCTCCCGCTGACCCAC
GCGCAGGATCTCACTCCAGCCATGTCCCCAGCTGGACCCCGACCTCGGCCCCCACCCTGTGGACCCCTGATGCA
GAGCCCAACCTGCTGCGTGAGCCCCAGGCCACCGTGGTCTTACCAACCATGTGCCACGCTGGGCCGCTATGCC
TTCTGTGTCACGGCTACCAGCCAGCCACCCACCTTCCCCGTGGAAGTCTCATCAACGCCGGCCGCGTGTGG
CAGGGCCACGCCAACGCCAGCTTCTGTCCACATGGCTACGGCTGCCGCACCCTGGTGGTGTGTGAGGGCCAGGCC
CTGCTGGACGTGACCCACAGCGAGCTCACTGTGACCGTGCCTGTGCCCAAGGGCCGGTGGCTCTGGCTGGATTAT
GTACTCGTGGTCCCTGAGAAGCTCTACAGCTTTGGCTACCTCCGGGAGGAGCCCCCTGGATAAATCCTATGACTTC
ATCAGCCACTGCGCAGCCCAGGGCTACCACATCAGCCCCAGCAGCTCATCCCTGTTCTGCCGAAACGCTGCTGCT
TCCCTCTCCCTCTTCTATAACAACGGAGCCCGTCCATGTGGCTGCCACGAAGTAGGTGCTACAGGCCCCACGTGT
GAGCCCTTCGGGGGCCAGTGTCCCTGCCATGCCATGTATTGGCCGTGACTGCTCCCGCTGTGCCACCGGATAC
TGGGGCTTCCCCAACTGCAGGGCCCTGTGACTGCGGTGCCGCTCTGTGACGAGCTCACGGGCCAGTGCATCTGC
CCGCCACGCACCATCCCCCGGACTGCCTGCTGTGCCAGCCCCAGACCTTTGGCTGCCACCCCTGGTCCGGCTGT
GAGGAGTGTAAGTGTCTCAGGGCCCCGGCATCCAGGAGCTCACAGACCCTACCTGTGACACAGACAGCGGCCAGTGC
AAGTGCAGACCCAAACGTGACTGGGCGCCGCTGTGATACCTGCTCTCCGGGCTTCCATGGCTACCCCGCTGCCGC
CCCTGTGACTGTACAGAGCGGGCACTGCGCCTGGCGTGTGTGACCCCTCACAGGGCAGTGCTACTGTAAGGAG
AACGTGCAGGGCCCCAAATGTGACCAGTGCAGCCTTGGGACCTTCTCACTGGATGCTGCCAACCCCAAAGGTTC
ACCCGCTGCTTCTGCTTTGGGGCCACGGAGCGCTGCCGGAGCTCGTCTACACCCGCCAGGAGTTCGTGGATATG
GAGGGATGGGTGCTGCTGAGCACTGACCGGCAGGTGGTGGCCACGAGCGGCAGCCAGGGACGGAGATGCTCCGT
GCAGACCTGCGGCACGTGCCTGAGGCTGTGCCCGAGGCTTTCCCCGAGCTGTACTGGCAGGCCCCACCCCTCCTAC
CTGGGGGACCGGGTGTCTATCCTACGGTGGGACCCTCCGTTATGAAGTGCCTCAGAGACCCAGCGGGGAGATGTC
TTTGTCCCCATGGAGAGCAGGCCGGATGTGGTGTGTCAGGGCAACCAGATGAGCATCACATTCTGGAGCCGGCA
TACCCACGCCTGGCCACGTTACCGTGGGCAGCTGCAGCTGGTGGAGGGGAAGTTCGGGCATACGGAGACGCGC
AACACTGTGTCCCGCGAGGAGCTCATGATGGTGTGTCAGCCTGGAGCAGCTGCAGATCCGTGCCCTCTTCTCA
CAGATCTCCTCGGCTGTCTTCTGCGCAGGGTGGCACTGGAGGTGGCCAGCCAGCAGGCCAGGGGGCCCTGGCC
AGCAATGTGGAGCTGTGCCTGTGCCCCGCCAGCTACCGGGGGGACTCATGCCAGGAATGTGCCCCCGGCTTCTAT
CGGGACGTCAAAGGTCTCTTCTGGGCCGATGTGTCCCTTGTGAGTGCATGGACACTCAGACCGCTGCCTCCCT
GGCTCTGGCGTCTGTGTGGACTGCCAGCACAACACCGAAGGGGCCACTGTGAGCGCTGCCAGGCTGGCTTCGTG
AGCAGCAGGGACGACCCAGCGCCCCCTGTGTGAGCTGCCCTGCCCTCTCAGTGCCTTCCAACAACCTTCGCC
GAGGGCTGTGTCTGCGAGGCGGCCGACCCAGTGCCTCTGCAAACCTGGTTATGAGGTGCCTCCTGCGAGCGG
TGTGCGCCCGGATTCTTTGGGAACCCACTGGTGTGCGGAGCTCCTGCCAGCCATGCGACTGCAGCGCAACGGT
GACCCCAACTTGCTCTTCAGCGACTGCGACCCCTGACGGGCGCCTGCCGTGGCTGCCTGCGCCACACCACTGGG
CCCCGCTGCGAGATCTGTGCCCCGGCTTCTACGGCAACGCCCTGTGCCCCGCAACTGCACCCGGTGCAGTGT
ACCCCATGTGGGACAGAGGCTGCGACCCCCACAGCGGGCACTGCCTGTGCAAGGCGGGCGTGAAGTGGCGCGC
TGTGACCGCTGCCAGGAGGGACATTTTGGTTTCGATGGCTGCGGGGGCTGCCGCCCGTGTGCTTGTGGACCGGCC
GCCGAGGGCTCCGAGTGCCACCCCCAGAGCGGACAGTGCCACTGCCGACCAGGGACCATGGGACCCAGTGCCTGC
GAGTGTGCCCTGGCTACTGGGGCTCCCTGAGCAGGGCTGCAGGCGCTGCCAGTGCCTGGGGGCGCTGTGAC
CCTCACACGGGCGCTGCAACTGCCCCCGGGGCTCAGCGGGGAGCGCTGCGACACCTGCAGCCAGCAGCATCAG
GTGCTGTTCCAGGCGGGCCTGTGGGCCACAGCATCCACTGTGAAGTTGTGTGACCACTGTGTGGTCTCTGCTCC
TGGATGACCTGGAACGGGCCGGCGCCCTCCTCCCCGCCATTACAGAGCAACTGCGTGGCATCAATGCCAGTCCA
TGGCCTGGGCCCCGTCTGCACAGGCTGAACGCCTCCATCGCTGACCTGCAGAGCCAGCTCCGGAGCCCCCTGGGCC
CCCGCCATGAGACGGCACAGCAGCTGGAGGTGTGGAGCAGCAGAGCACAAGCCTCGGGCAGGACGCACGGCGGC
TAGGCGGCCAGGCCGTGGGGACCCGAGACCAGGCGAGCCAATTGCTGGCCGGCACCGAGGCCACACTGGGCCATG
CGAAGACGCTGTTGGCGGCCATCCGGGCTGTGGACCGCACCCCTGAGCGAGCTCATGTCCAGACGGGCCACCTGG
GGCTGGCCAATGCCTCGGCTCCATCAGGTGAGCAGCTGCTCCGGACACTGGCCGAGGTGGAGCGGCTGCTCTGGG
AGATGCGGGCCCGGACCTGGGGGCCCCGAGGCAGCAGCTGAGGCTGAGTTGGCTGCAGCACAGAGATTGCTGG
CCCGGGTGCAGGAGCAGCTGAGCAGCTTCTGGGAGGAGAACCAGGCACTGGCCACACAAACCCGCGACCGGCTGG
CCCAGCACGAGGCGGCCTCATGGACCTGCGAGAGGCTTTGAACCGGGCAGTGGACGCCACACGGGAGGCCAGG

6330/6881
FIGURE 5846C

AGCTCAACAGCCGCAACCAGGAGCGCCTGGAGGAAGCCCTGCAAAGGAAGCAGGAGCTGTCCCGGGACAATGCCA
CCCTGCAGGCCACTCTGCATGCGGCTAGGGACACCCTGGCCAGCGTCTTCAGATTGCTGCACAGCCTGGACCAGG
CTAAGGAGGAGCTGGAGCGCCTCGCCGCCAGCCTGGATGGGGCTCGGACCCCACTGCTGCAGAGGATGCAGACCT
TCTCCCCGGCGGGCAGCAAGCTGCGTCTAGTGGAGGCCGCCGAGGCCACGCACAGCAGCTGGGCCAGCTGGCAC
TCAATCTGTCCAGCATCATCTGGACGTCAACCAGGACCGCCTACCCAGAGGGCCATCGAGGCCTCCAACGCCT
ACAGCCGCATCCTGCAGGCCGTGCAGGCTGCCGAGGATGCTGCTGGCCAGGCCCTGCAGCAGGCGGACCACACGT
GGGCGACGGTGGTGCAGGAGGGCCTGGTGGACCGAGCCAGCAGCTCCTGGCCAACAGCACTGCACTAGAAGAGG
CCATGCTCCAGGAACAGCAGAGGCTGGGCCTTGTGTGGGCTGCCCTCCAGGGTGCCAGGACCCAGCTCCGAGATG
TCCGGGCCAAGAAGGACCAGCTGGAGGCGCACATCCAGGCGGCGCAGGCCATGCTTGCCATGGACACAGACGAGA
CAAGCAAGAAGATCGCACATGCCAAGGCTGTGGCTGCTGAAGCCCAGGACACCGCCACCCGTGTGCAGTCCCAGC
TGCAGGCCATGCAGGAGAATGTGGAGCGGTGGCAGGGCCAGTACAGGGCCTGCGGGGCCAGGACCTGGGGCCAGG
CAGTGTCTTGACGAGGCCACTCAGTGTCCACCCTGGAGAAGACGCTGCCCCAGCTGCTGGCCAAGCTGAGCATCC
TGGAGAACCCTGGGGTGACAACGCCAGCCTGGCCCTGTCCGCCAGCATTGGCCGCGTGCGAGAGCTCATTGCCCC
AGGCCCCGGGGGCTGCCAGTAAGGTCAAGGTGCCCATGAAGTTCAACGGGCGCTCAGGGGTGCAGCTGCGCACCC
CACGGGATCTTGCCGACCTTGCTGCCTACACTGCCCTCAAGTTCTACCTGCAGGGCCCAGAGCCTGAGCCTGGGC
AGGGTACCGAGGATCGCTTTGTGATGTACATGGGCAGCCGCCAGGCCACTGGGGACTACATGGGTGTGTCTCTGC
GTGACAAGAAGGTGCACTGGGTGTATCAGCTGGGTGAGGCGGGCCCTGCAGTCTTAAGCATCGATGAGGACATTG
GGGAGCAGTTTCGAGCTGTTCAGCCTGGACAGGACTCTCCAGTTTGGCCACATGTCCGTTCAGTGGAGAGACAGA
TGATCCAGGAAACCAAGGGTGACACGGTGGCCCCCTGGGGCAGAGGGGCTGCTCAACCTGCGGCCAGACGACTTCG
TCTTCTACGTCGGGGGGTACCCCACTACCTTCACGCCCCCTCCCCTGCTTCGCTTCCCCGGCTACCGGGGGCTGCA
TCGAGATGGACACGCTGAATGAGGAGGTGGTCAGCCTCTACAACCTTCGAGAGGACCTTCCAGCTGGACACGGCTG
TGGACAGGCCTTGTGCCCCGCTCCAAGTCGACCGGGGACCCGTGGCTCACGGACGGCTCCTACCTGGACGGCACCG
GCTTCGCCCCGATCAGCTTCGACAGTCAGATCAGCACCACCAAGCGCTTCGAGCAGGAGCTGCGGCTCGTGTCTCT
ACAGCGGGGTGCTCTTCTTCTCTGAAGCAGCAGAGCCAGTTCTGTGCTTGGCCGTGCAAGAAGGCAGCCTCGTGC
TGTTGTATGACTTTGGGGCTGGCCTGAAAAAGGCCGTCCCCTGCAGCCCCCACCAGCCCCCTGACCTCGGCCAGCA
AGGCGATCCAGGTGTTTCTGCTGGGGGGCAGCCGCAAGCGTGTGCTGGTGCCTGTGGAGCGGGCCACGGTGTACA
GCGTGGAGCAGGACAATGATCTGGAGCTGGCCGACGCCTACTACCTGGGGGGCGTGCCGCCCCGACCAGCTGCCCC
CGAGCCTGCGACGGCTCTTCCCCACCGGAGGCTCAGTCCGTGGCTGCGTCAAAGGCATCAAGGCCCTGGGCAAGT
ATGTGGACCTCAAGCGGCTGAACACGACAGGCGTGAGCGCCGGCTGCACCGCCGACCTGCTGGTGGGGCGCGCCA
TGACTTTCCATGGCCACGGCTTCTTCGCTGGCGCTCTCGAACGTGGCACCGCTCACTGGCAACGTCTACTCCG
GCTTCGGCTTCCACAGCGCCCAGGACAGTGCCCTGCTCTACTACCGGGCGTCCCCGGATGGGCTATGCCAGGTGT
CCCTGCAGCAGGGCCGTGTGAGCCTACAGCTCCTGAGGACTGAAGTGAAACTCAAGCGGGCTTCGCCGATGGTG
CCCCCATTACGTGCGCTTCTACAGCAATGCCACGGGAGTCTGGCTGTATGTTCGATGACCAGCTCCAGCAGATGA
AGCCCCACCGGGGACCACCCCCGAGCTCCAGCCGCAGCCTGAGGGGCCCCGAGGCTCCTCCTGGGAGGCCTGC
CTGAGTCTGGCACCATTTACAACCTTCAGTGGCTGCATCAGCAACGTCTTCGTGCAGCGGCTCCTGGGCCACAGC
GCGTATTTGATCTGCAGCAGAACCTGGGCAGCGTCAATGTGAGCACGGGCTGTGCACCCGCCCTGCAAGCCCAGA
CCCCGGGCCTGGGGCCTAGAGGACTGCAGGCCTCCCGCCGCAGCCGTACAGCCGCCCGGCATCCTGCCTGCATGC
TGCCCCCACACCTCAGGACCACCCGAGACTCCTACCAGTTTGGGGGTTCCCTGTCCAGTCACTGGAGTTTGTGG
GCATCCTGGCCCCGACATAGGAAGTGGCCAGTCTCTCCATGCAGTCTCTCCGCGAAGCTCCCGAGGCCTCCTCC
TCTTCACTGCCCCGTCTGAGGCCCCGAGCCCCCTCCCTGGCGCTCTTCTGAGCAATGGCCACTTCGTTGCACAGA
TGGAAGGCCTCGGGACTCGGCTCCGCGCCAGAGCCGCCAGCGCTCCCGGCTGGCCGCTGGCACAAGGTCTCCG
TGCGCTGGGAGAAGAACCGGATCCTGCTGGTGACGGACGGGGCCCGGGCTGGAGCCAGGAGGGGCCGACCGGC
AGCACCAGGGGGCAGAGCACCCCCAGCCCCACACCCTCTTTGTGGGCGGCTCCCGGCCAGCAGCCACAGCTCCA
AACTTCCGGTGACCGTCGGGTTACAGCGCTGTGTGAAGAGACTGAGGCTGCACGGGAGGCCCCCTGGGGGCCCCCA
CACGGATGGCAGGGGTACACCCCTGCATCTTGGGCCCCCTGGAGGCGGGCCTGTTCTTCCAGGCAGCGGGGGAG
TTATCACTTTAGACCTCCCAGGAGCTACACTGCCTGATGTGGGCTGGAAGTGGAGGTGCGGCCCCCTGGCAGTCA
CCGGAATGATCTTCACTTGGGCCAGGCCCGGACGCCCCCTACTTGAGTTGCAGGTGACCGAGAAGCAAGTCC
TGCTGCGGGCGGATGACGGAGCAGGGGAGTTCTCCACGTCACTGACCCGCCCTCAGTGTGTGTGATGGCCAGT

6331/6881
FIGURE 5846D

GGCACCGGCTAGCGGTGATGAAAAGCGGGAATGTGCTCCGGCTGGAGGTGGACGCGCAGAGCAACCACACCGTGG
GCCCCTTGCTGGCGGCTGCAGCTGGTGCCCCAGCCCCCTCTGTACCTCGGGGGCCTGCCTGAGCCCATGGCCGTGC
AGCCCTGGCCCCCGCCTACTGCGGCTGCATGAGGAGGCTGGCGGTGAACCGGTCCCCGTCGCCATGACTCGCT
CTGTGGAGGTCCACGGGGCAGTGGGGGCCAGTGGCTGCCAGCCGCCTAGGACACAGCCAACCCGGCCCCCTGGT
CAGGCCCCCTGCAGCTGCCTCACACCGCCCCCTTGTGCTCGCCTCATAGGTGTCTATTTGGACTCTAAGCTCTACGG
GTGACAGATCTTGTTTCTGAAGATGGTTTAAGTTATAGCTTCTTAAACGAAAGAATAAAATACTGCAAAATGTTT
TTATATTTGGCCCTTCCACCCATTTTAAATTGTGAGAGATTGTGACCAATCATCACTGGTTCCTCCTTAAAAAT
TAAAAAGTAACTTCTGTGT

6332/6881
FIGURE 5847

CTTTCTCTCTCGCGCGCGGTGTGGTGGCAGCAGGCGCAGCCCAGCCTCGAAATGCAGAACGACGCCGGCGAGTTC
GTGGACCTGTACGTGCCGCGGAAATGCTCCGCTAGCAATCGCATCATCGGTGCCAAGGACCACGCATCCATCCAG
ATGAACGTGGCCGAGGTTGACAAGGTCACAGGCAGGTTTAATGGCCAGTTTAAACTTATGCTATCTGCGGGGCC
ATTCGTAGGATGGGTGAGTCAGATGATTCCATTCTCCGATTGGCCAAGGCCGATGGCATCGTCTCAAAGAACTTT
TGACTGGAGAGAATCACAGATGTGGAATATTTGTCATAAATAAATAATGAAAACCT

6333/6881
FIGURE 5848

MQNDAGEFVDLYVPRKCSASNRIIGAKDHASIQMNVAEVDKVTGRFNGQFKTYAICGAIRRMGESDDSilRLAKA
DGIVSKNF

6334/6881
FIGURE 5849

AGTGCCTGCGCGGAGCTCGTGGCCGCGCCTGCTCCCGCCGGGGGCTCCTTGCTCGGCCGGGGCCGCGGCC**ATGG**
GAGAGGCCGAGGTGGGCGGCGGGGGCGCCGCAGGCGACAAGGGCCCGGGGGAGGCGGCCACCAGCCCGCGGAGG
AGACAGTGGTGTGGAGCCCCGAGGTGGAGGTGTGCCTCTTCCACGCCATGCTGGGCCACAAGCCCGTCGGTGTGA
ACCGACACTTCCACATGATTTGTATTTCGGGACAAGTTCAGCCAGAACATCGGGCGGCAGGTCCCATCCAAGGTCA
TCTGGGACCATCTGAGCACCATGTACGACATGCAGGCGCTGCATGAGTCTGAGATTCTTCCATTCCCGAATCCAG
AGAGGAACTTCGTCTTCCAGAAGAGATCATTTCAGGAGGTCCGAGAAGGAAAAGTGATGATAGAAGAGGAGATGA
AAGAGGAGATGAAGGAAGACGTGGACCCCCACAATGGGGCTGACGATGTTTTTTCATCTTCAGGGAGTTTGGGGA
AAGCATCAGAAAAATCCAGCAAAGACAAAGAGAAGAACTCCTCAGACTTGGGGTGCAAAGAAGGCGCAGACAAGC
GGAAGCGCAGCCGGGTACCGACAAAGTCCTGACCGCAAACAGCAACCCTTCCAGTCCCAGTGCTGCCAAGCGGC
GCCGCACG**TAG**ACCCTCAGCCCTGGTGGCGGCAGAGAAGCGGGCGAGGCACTGTGGTTCGCTGAGGGGGTTGGCTG
GGTCTGAGTGCCACCCCCCAGGCCACAGTGATACCATCCCAGTGCCATGAGCCCACACTGCCCGCCCTCAGGCTC
TCAGGTGAACGTGGCCGTCAGCGGGGAAACGTGTGTGTGTGAGTTGGACCATGTGGGACCCCGATGGACCTGAAAGA
CCAGGATCGGTCCAGCTCAGATATTGAGGGCTCTGAAGCCTAGTTCTGTCTTCTCTGGAGCAGCTGTGGCTTCCC
CGTGGCTGCTTGGTGACATGGATTAGCGCTACGTGGGCTGCAGCATTGTTGGGATCCAGGCTACCTAGAGGGGCATC
GGGCCAGGGAACCTCGGATTAGCAAGCAATAAAAAATATGACCTCACTCTTCTCTCAAAGGAGCCCCCTGGTCTTC
CCTGTGTGACTCAGTTCTTTCCATCTGTTTGTCCCGCTGCAAGCCTCTTTCTGCGCTGACTGTGACATCGGAACG
TGGCCTTCTGTACCCCCCTCCGTGCCACGCACTGAAGGCCACCCCCACCCACCTGGGAACTAAGAACTGGATA
TTTTGCCTCATTCACTTGTACTGTAACAATGTATATAATTTGGTTGGTATTTCACTATTTAATTTTAAGAAGCC
TATTTTACTAGTGTTTTATATGAACAAAGTACTGCAGAAGTTAAACCTGTGTTGTATTTTTCTGAGATGTTTTG
CTTTAAGAGATACTTTTTGCTCAGTTTTTATATGCCAGATACAGAGAATTTGTAGCGGTTATTTTTGTATGATC
TAGTAACTTGCAAACAGACCAAATGGATGAGAGGCGGGGACCGTGCAGCTGTCGGCTGATGAGGAGGCGGCCGCC
CCAGTGCTGATGGAGATGCCACTTTCGTGTGACTGCGAACATTAAAGCACAAAAAATCC

6335/6881
FIGURE 5850

MGEAEVGGGGAAGDKGPGEAATSPAETVVWSPEVEVCLFHAMLGHKPVGVNRHFHMICIRDKFSQNIGRQVPSK
VIWDHLSTMYDMQALHESEILPFPNPERNFVLPEEIIQEVREGKVMIEEEMKEEMKEDVDPHNGADDVFSSSGSL
GKASEKSSKDKEKNSSDLGCKEGADKRKRSRVTDKVL TANSNPSSPSAAKRRRT

6336/6881
FIGURE 5851

CCCCGCCGCCGCCGAGCATGGACGACCCCCGACTGCGACTCCACCTGGGAGGAGGACGAGGAGGATGCGGAGGACGC
GGAGGACGAGGACTGCGAGGACGGCGAGGCCGCCGGCGGAGGGACGCGGACGCAGGGGACGAGGACGAGGAGTC
GGAGGAGCCGCGGGCGGCGCGGCCAGCTCGTTCCAGTCCAGAATGACAGGGTCCAGAACTGGCGAGCCACGAG
GGACATGTGTAGGTATCGGCACAACCTATCCGGATCTGGTGGAAACGAGACTGCAATGGGGACACGCCAAACCTGAG
TTTCTACAGAAATGAGATCCGCTTCCTGCCCCAACGGCTGTTTCATTGAGGACATTCTTCAGAACTGGACGGACAA
CTATGACCTCCTTGAGGACAATCACTCCTACATCCAGTGGCTGTTTCTCTGCGAGAACCAGGAGTGAACCTGGCA
TGCCAAGCCCCCTCAGGCTCAGGGAGGTGCGAGGTGTTTAAAAGCTCCAGGAGATCCAGGAGCGGCTTGTCGGGC
CTACGAGCTCATGCTGGGCTTCTACGGGATCCGGCTGGAGGACCGAGGCACGGGCACGGTGGGCCGAGCACAGAA
CTACCAGAAGCGCTTCAGAACCTGAACTGGCGCAGCCACAACAACCTCCGCATCACACGCATCCTCAAGTCGCT
GGGTGAGCTGGGCCTCGAGCACTTCCAGGCGCCGCTGGTCCGCTTCTTCTGGAGGAGACGCTGGTGCGGCGGGA
GCTGCCGGGGGTGCGGCAGAGTGCCCTGGACTACTTCATGTTTCGCCGTGCGCTGCCGACACCAGCGCCGCCAGCT
GGTGCACTTCGCTGGGAGCACTTCCGGCCCCGCTGCAAGTTCGTCTGGGGGCCCCAAGACAAGCTGCGGAGGTT
CAAGCCCAGCTCTCTGCCCCATCCGCTCGAGGGCTCCAGGAAGGTGGAGGAGGAAGGAAGCCCCGGGGACCCCCGA
CCACGAGGCCAGCACCCAGGGTTCGGACCTGTGGGCCAGAGCATAGCAAGGGTGGGGGCAGGGTGGACGAGGGGCC
CCAGCCACGGAGCGTGAGAGCCCCAGGATGCGGGACCCCTGGAGAGGAGCCAGGGGGATGAGGCAGGGGGCCACGG
GGAAGATAGGCCGGAGCCCTTAAGCCCCAAAGAGAGCAAGAAGAGGAAGCTGGAGCTGAGCCGCGGGAGCAGCC
GCCACAGAGCCAGGCCCTCAGAGTGCCTCAGAGGTGGAGAAGATCGCTCTGAATTTGGAGGGGTGTGCCCTCAG
CCAGGGCAGCCTCAGGACGGGGACCCAGGAAGTGGGCGGTGAGGACCTGGGGAGGCAGTGCAGCCCTGCCGCCA
ACCCCTGGGAGCCAGGGTGGCCGACAAGGTGAGGAAGCGGAGGAAGGTGGATGAGGGTGTGGGGACAGTGCTGC
GGTGGCCAGTGGTGGTGCCAGACCTTGCCCTTGCCGGGTCCCCTGCCCCATCGGGGCACCCCAAGGCTGGACA
CAGTGAGAACGGGGTTGAGGAGGACACAGAAGGTGGAACGGGGCCCCAAAGAAGGTACCCCTGGGAGCCCATCGGA
GACCCAGGCCCCAGCCCAGCAGGACCTGCAGGGGACGAGCCAGCCGAGAGCCCATCGGAGACCCAGGCCCCCG
CCCAGCAGGACCTGCAGGGGACGAGCCAGCCGAGAGCCCATCGGAGACCCAGGCCCCCGCCGGCAGGACCTGC
AGGGGACGAGCCAGCCGAGAGCCCATCGGAGACCCAGGCCCCAGCCGGCAGGACCTACAAGGGATGAGCCAGC
CGAGAGCCCATCGGAGACCCAGGCCCCCGCCGGCAGGACCTGCAGGGGACGAGCCAGCCGAGAGCCCATCGGA
GACCCAGGCCCCCGCCGGCAGGACCTGCAGGGGACGAGCCAGCCGAGAGCCCATCGGAGACCCAGGCCCCAG
CCCGGCAGGACCTACAAGGGATGAGCCAGCCAAGGCGGGGAGGCAGCAGAGTTGCAGGACGCAGAGGTGGAGTC
TTCTGCCAAGTCTGGGAAGCCTTAAGGAAAGGAGTGCCCGTCGGCGTCTTGGTCTCTCTGTCCCTGCTGCAGGGG
CTGGGGCCTCCGGAGCTGCTGCGGGCTCCCCTCAGGCTCTGCTTCGTGACCCGTGACCCATGACCCACAGTGCTG
GCCTCCTGTGGGGCCACTATAGCAGCCACCAGAAGCCGCGAGGCCCTCAGGGAAGCCCAAGGCCTGCAGAAGCCT
CCTGGCCTGGCTGTGTCTTCCCACCCAGCTCTCCCCTGCGCCCCTGTCTTTGTAAATTGACCCCTCTGGAGTGG
GGGGCGGCGGGCAGGGCTGCTTTTCTTAGTCTGATACCAAGCAAGGCCTTTTCTGAATAAATTCAATTTGACTTTG

6337/6881
FIGURE 5852

MDDPDCDSTWEEDEEDAEDAEDCEDGEEAAGARDADAGDEDEESEEPRAARPSSFQSRMTGSRNWRATRDMCRY
RHNYPDIVERDCNGDTPNLSFYRNEIRFLPNGCFIEDILQNWTDNYDLLEDNHSYIQWLFPLREPGVNWHAKPLT
LREVEVFKSSQEIQERLVRAYELMLGFYGIRLEDRTGTVGRAQNYQKRFQNLNWRSHNNLRITRILKSLGELGL
EHFQAPLVRFFLEETLVRRELPGVRQSALDYFMFAVRCRHQRRQLVHFAWEHFRPRCKFVWGPQDKLRRFKPSSL
PHPLEGSRKVEEEGSPGDPDHEASTQGRTCGPEHSKGGGRVDEGPQPRSVEPQDAGPLERSQGDEAGGHGEDRPE
PLSPKESKKRKLELSRREQPPTEPGPQSASEVEKIALNLEGCALSQGLRTGTQEVGGQDPGEAVQPCRQPLGAR
VADKVRKRRKVDEGAGDSAAVASGGAQTLALAGSPAPSGHPKAGHSENGVEEDTEGRTGPKGTPGSPSETPGPS
PAGPAGDEPAESPSETPGPRPAGPAGDEPAESPSETPGPRPAGPAGDEPAESPSETPGPSPAGPTRDEPAESPSE
TPGPRPAGPAGDEPAESPSETPGPRPAGPAGDEPAESPSETPGPSPAGPTRDEPAKAGEAAELQDAEVESSAKSG
KP

6338/6881
FIGURE 5853

CCGACGCCGAGCTCAGACTCCGCTCAGCCATGGCCGGGCCGCGCGCTGCGCCCCGCTCCTGCTCCTGCTCCTG
CTCGGGGAGCTTCTGGCGGCCCGCGGGGCGCAGAGAGTGGGACTCCCCGGCCCCCCCCGGCCCCCAGGGCCGCC
GGCAAGCCCCGGCCAGGACGGCATTGACGGAGAAGCTGGTCCTCCAGGTCTGCCTGGGCCCCCGGGACCAAAGGGG
GCCCCAGGAAAGCCGGGGAAACCAGGAGAGGCTGGGCTGCCGGGACTGCCGGGTGTGGATGGTCTGACTGGACGA
GATGGACCCCCCTGGACCCAAGGGTGGCCCTGGGGAACGGGGAAGTCTGGGACCCCCGGGGCCGCCGGGCTGGGG
GGCAAAGGCCTCCCTGGACCCCCCGAGAGGCAGGAGTGAAGCGCCCCCAGGTGGGATCGGCCTCCGCGGCCCC
CCGGGACCTCCTGGACTCCCCGGCCTCCCTGGTCCCCCAGGACCTCCCGGACCCCCTGGACACCCAGGAGTTCTC
CCTGAAGGGCTACTGACCTTCAGTGCCCAAGTATCTGCCCGCCAGGTCCCCCAGGGCCCCCTGGAATGCCAGGG
TTCAAAGGGACCCACTGGCTACAAAGGCGAGCAGGGGGAAGTCGGCAAGGACGGCGAGAAGGGTGACCCTGGCCCC
CCTGGGCCCCCGGCCTCCCGGGCAGCGTGGGGCTGCAGGGCCCCCGGGGATTACGAGGACTGCCAGGGCCACTC
GGGCCCCCTGGGGACCGGGTCCCATTGGGTTCGAGGGCCGCTGGGATCCAGGAGCGCTGGGAAAGCGGGT
GACCGAGGCGAGAGGGGCCAGAAGGGTTCCGCGGCCCAAGGGTGACCTCGGCAGACCTGGTCCCAAGGGAACC
CCCGGAGTGGCCGGGCCAAGCGGAGAGCCGGGCATGCCGGGAAGGACGGCCAGAATGGCGTGCCAGGACTCGAT
GGCCAGAAGGGAGAGGCTGGTCGCAACGGTGCTCCGGGAGAGAAGGGCCCCAACGGGCTGCCGGGCCTCCCTGGA
CGAGCGGGGTCCAAAGGCGAGAAGGGAGAACGGGGCAGAGCTGGGGAGCTGGGTGAGGCCGGCCCCCTCTGGAGAG
CCAGGCGTCCCTGGAGATGCTGGCATGCCTGGGGAGCGCGGTGAGGCTGGCCACCGGGGCTCAGCGGGGGCCCTC
GGCCACAAGGCCCTCCCGGAGCCCCCTGGTGTCCGAGGCTTCAGGGCCAGAAGGGCAGCATGGGAGACCCGGC
CTTCCAGGCCCCCAGGGCTCCGAGGTGACGTGGGCGACCGGGGTCCGGGAGGTGCCGAGGCCCTAAGGGAGAC
CAGGGTATTGCAGGTTCCGACGGTCTTCTGGGGATAAAGGAGAAGTGGGTCCAGCGGCCTGGTCTGGACCCAAA
GGAGAGTCTGGCAGTCGAGGGGAGCTGGGCCCCAAAGGCACCCAGGGTCCCAACGGCACCGCGGTGTTTCAAGGT
GTCCCCGGGCCCCCGGTCTCTGGGCCTGCAGGGCGTCCCGGTGTTCTGGCATCACGGGGAAGCCGGGAGTT
CCGGGGAAGGAGGCCAGCGAGCAGCGCATCAGGGAGCTGTGTGGGGGATGATCAGCGAACAATTGCACAGTTA
GCCGCGCACCTAAGGAAGCCTTTGGCACCCGGGTCCATTGGTTCGGCCCCGTCCAGCTGGCCCCCTGGGCCCCCA
GGACCCCCAGGCTCCATTGGTCACCCTGGCGCTCGAGGACCCCCCTGGATACCGCGGTCCCACTGGGGAGCTGGGA
GACCCCGGGCCAGAGGAAACCAGGGTGACAGAGGAGACAAAGGCGCGCAGGAGCAGGGCTGGACGGGCCTGAA
GGAGACCAGGGGCCCCAAGGACCCCAAGGCGTGCCCGGCACCAAGGACGGCCAGGACGGTGCTCCCGGCGAG
CCTGGGCCTCCCGGAGATCCTGGGCTTCAGGTGCCATTGGGGCCCAGGGGACACCGGGGATCTGCGACACCTCA
GCCTGCCAAGGAGCCGTGTTAGGAGGGGTCTGGGGAGAAATCAGGCTCTCGAAGCTCATAAAATTCAACGTGAGGA
AGCAAGTGACAAGGACGCCCGAAGCACAGTGGACGGTCATGAAGGAGCGGGGGTGTGGCAGGCGGGTGACGTCCA
GGAGAGGGAGCGCCCCCTGGCTGCCCCCTCGGCCGCCGACTGGACGCGCGGGCCTTGCCAGCGAGCACCCCTCATCGG
GCTGTGCGCTGACAGCATACCTCAAAAGGCCCTAGCTAATAAACCTGTAAGCCCAGCATTTGAGAGAAGGTAGGG
TGTGTATATATAAAAGGTGTGTACAACCTCCACGAGGTGAAAAATATTAGTAACCTGTTTACATAGCATTTGTG
TAAAGACTATGATCTCATCCCAATAAAATGATATATTAACCTTCAGATTAATGACTGGCTACAGAGTAACAAAA
AATAAAGAATTTAATGTACAGTAAATTCTCTCCCAT

6339/6881
FIGURE 5854

MAGPRACAPLLLLLLLLGELLAAAGAQRVGLPGPPGPPGPPGKPGQDGDIDGEAGPPGLPGPPGPKGAPGKPGKPGE
AGLPGLPGVDGLTGRDGPPGPKGAPGERGSLGPPGPPGLGGKGLPGPPGEAGVSGPPGGIGLRGPPGPPGLPGLP
GPPGPPGPPGHPGVLP EGATDLQCPSICPPGPPGPPGMPGFKGPTGYKGEQQGEVVKDGEKGDPPGPPGAPGLPGSV
GLQGPRGLRGLPGPLGPPGDRGPIGFRGPPGIPGAPGKAGDRGERGPEGFRGPKGDLGRPGPKGTPGVAGPSGEP
GMPGKDGQNGVPGLDGQKGEAGRNGAPGEKGPNGLPGLPGRAGSKGEKGERGRAGELGEAGPSGEPGVPGDAGMP
GERGEAGHRGSAGALGPQGPPGAPGVRGFQGQKGSMDPGLPGPQGLRGDVGDRGPGGAAGPKGDQGIAGSDGLP
GDKGELGPSGLVGPKGESGSRGELGPKGTQGPNGTSGVQGVPPGPLGLQGVPGVPGITGKPGVPGKEASEQRI
RELCGMISEQIAQLAAHLRKPLAPGSIGRPGPAGPPGPPGPPPSIGHPGARGPPGYRGPTGELGDPGPRGNQGD
RGDKGAAGAGLDGPEGDQGPQGPQGVPGTSDKGDGAPGEPGPPGDPGLPGAIGAQTGPGICDTSACQGAVLGGV
GEKSGSRSS

6340/6881
FIGURE 5855

TCTAGCCCCGCGCCATCTCGGTGGCCGTCCGCCCCTCCGCGGCGTTTCGGGGAAATGGCTGCGAGACCCTAGAGG
CCTGCGGCCTGCGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTTGTTGAAAATACGAAGCCTGTTA
CTCGTGAAACAGTGCGTGACAACAGTGTGTTGTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCGTCTGCCAG
GGTTTTTGGTTGTATTTAGGATTTTCAGGGAAAAGTGTCCAAGCTTTTCAGTGTGGAGCAGGTATGGACGACAAAG
GCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTTCAGGAAAACATGGGGTTTTTC
GAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCCACTGGAGCCGCCACCCCCACAGC
AGCAGCTGGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTCTTGACCA
TTGCGCGGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCTGGTGAGCCACGTCTCTGCCCGCCA
CAGACGCCGAGACAGCCTCCGAGGGCAGCGTGGAAAGCGCTTCTGAGACCAGAAGCGGGCCCCCAGTCTGCTTCCA
CAGCTGTGAAGGAACGACCAGCCTCTTCTGAAAAGGTGAAAGGAGGGGATGACCACGATGACACCTCCGATAGTG
ACAGCGATGGCCTGACCTTGAAAGAGCTTCAGAATCGCCTTCGCAGGAAGCGGGAACAGGAGCCCACTGAGAGGC
CCCTGAAAGGGATCCAGAGTCGCCTGCGGAAGAAGCGCCGGGAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGG
CCAGTGACACTGTGGAGGGCGTCTGCCAGTAAGCAGGAGCCCGAGAACGATCAGGGGGTTGTGTCCCAGGCTG
GGAAAGATGACAGAGAGAGTAAGTTGGAGGGAAAGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGG
GCCGACCGAAGCCTGAATGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACA
GGTTTATGATTTGCTGTGACCGCTGTGAAGAATGGTTTTCATGGCGATTGTGTGGGCATTTCTGAGGCTCGAGGGA
GGCTTTTGGAAAGGAATGGGGAAGACTATATCTGCCCAAAGTGCACCATTTCTGCAAGTGCAGGATGAGACTCATT
CAGAAACGGCAGATCAGCAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAA
CAATAGAGCAGAAGTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAAATCCAAGTGGCAAGA
AGAAACTCAAGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAATGTATTGGCCCCGGGTGCTGTCACG
TGGCGCAGCCCCGACTCGGTGTACTGCAGTAATGACTGTATCCTCAAACACGCCGACGACAATGAAGTTTCTAA
GCTCAGGTAAAGAACAGAAGCCAAAGCCTAAAGAAAAGATGAAGATGAAGCCAGAGAAGCCCAGTCTTCCGAAAT
GCGGTGCTCAGGCAGGTATTAAAAATCTCTTCTGTGCACAAGAGACCAGCTCCAGAAAAAAGAGACCACAGTGA
AGAAGGCAGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAGCACGCCGTCGT
GGGCGAGCGATCACAATTACAATGCAGTAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGTCAGTGTGTATAAAT
GTATGTATCACCTAGGGGTTGGCCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCCATCCCTGGGCTGTCCAG
GACTGGGAGTTGCAGCTTTGTGTAAAGCTGATCAGACACCGGCTGCACCATCAGCGGGAAGCAGAGCCCATGT
CCAGGATGCCTCCTGCTGCCCTGTGTCCATCCCTAGTCTGTGTCAGGACTTCTGTCACTGTTTTCCAAAGCTGTAA
ACCTCACTGGTGAACGTTACCTTAATGATTGATTCTTTAATCTCTGTTTTCACTCTCAGGCTCTGGTAAGTATT
CGTATTCTCTTCATCCAGTCTGATTGCATAGCCACACTGCCCAGCACGCCACATCCACCCCTGTCTGCACATGA
GTTGTTCTGACAACAGCGCTGTATACGCTTCAGTTTTTCCACATTGTCCACGGCCAGCACATGAAAGCATCACTT
CTTTTTTATGTTGTGGGAATCTTTGCAAGTTAGTGTGTCATCTGATTTTCAGGTGTACATTTATTTTTGACTGGG
CAGATAGGGGATTTTTTTTTTCCATGTCCGATTACACGCTACACACCCACATGAACACATTTCGAACTTCGAAG
GCCACACACTCCTGCTTCATAGGCCCCACGGTAAGTGAGTTCACACCTAGAACACTGTCTGACCGCAGGACGCG
TGCTTTGGACTTGGTATTCTACATGTGACTGGCTTCTTGCCCTCGTCTCTTGAATGTTTAGACTCTTAAGATCA
TATCCTGCCCCAAATTTCAAATTAATGAAATGAAGATATTTCAAACAGATCTTTGAAACCTCAGATTCTGTGGTG
CAATTTTAATGTTTTCTGTTTCTCAGTTTTCTGCTATAAACTATTTTCAATTCAGTC

6341/6881
FIGURE 5856

MDDKGDP SNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDAEADPLEPPPPQQQLGLSLRRSGRQPKRTERVE
QFLTIARRRGRRSMPVSLEDSGEPTSCPATDAETASEGSVESASETRSGPQSASTAVKERPASSEKVKGGDDHDD
TSDSDSDGLTLKELQNRLRRKREQEPTEPLKGIQSRLRKKRREEGPAETVGSEASDTVEGVLP SKQEPENDQGV
VSQAGKDDRESKLEGKAAQDIKDEEPGDLGRPKPECEGYDPNALYCICRQPHNNRFMICCDRCEEWFHGDCVGIS
EARGRLLE RN GEDYICPNCTILQVQDETHSETADQQEAKWRPGDADGTDCTSIGTIEQKSSEDQGIKGRIEKAAN
PSGKKKLKIFQPVIEAPGASKCIGPGCCHVAQPD SVYCSNDCILKHAAATMKFLSSGKEQKPKPKEKMMKPEKP
SLPKCGAQAGIKISSVHKRPAPEKKETTVKKAVVVPARSEALGKEAACESSTPSWASDHNYNAVKPEKTAAPSPS
LLYKCMYHLGVGLLDPSRSFWIAIPWACPLGVAALC

6342/6881
FIGURE 5857

GGGAGCGGGAGGGCAGGCGCACCAGGAGGCCGCCCTCAGCACCTCTCGCGACAGCAAGAGAGCGCGAGAGCGCGA
GCCGATGACCAATGAAGCGCCCCCGCGAGGGGGCGGGGCGGACGGCCTCCCGGAAGCGCGGAACCTCAGCTTCCG
TACTTGCGCAGAACTCCCCCTCGCGGCGACCACGCACTACGGGTTGGCGCCAGAGTCAAAAGGCGTCGGCCCTCTG
GCAAGATGGCTGCTGCGGAGGCGTTGGAGCGCGGAAATCTGGAACCGGGATGGCGACGTCTACACTGAGTCGGAG
GCGAAGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTTGTTGAAAATACGAAGCCTGTTACTCGTGA
ACAGTGGCTGACAACAGTGTGTTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCGTCTGCCAGGGTTTTT
GGTTGTATTTAGGATTTTCAAGGAAAAGTGTCCAAGCTTTTCACTGTTGGAGCAGGTATGACGACAAAGGCGACCC
GAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTTCAAGAAAACATGGGGTTTTTCAAGGAC
CACTATCGCCAAGCGAGAGGGGCGCAGGGGACGCGGAGGCTGACCCACTGGAGCCGCCACCCCCACAGCAGCAGCT
GGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTTCTGACCATTGCGCG
GCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCTGGTGAAGCCACGTCTGCCCCGCCACAGACGC
CGAGACAGCCTCCGAGGGCAGCGTGGAAAGCGCTTCTGAGACCAGAAGCGGCCCCCAGTCTGCTTCCACAGCTGT
GAAGGAACGACCAGCCTCTTCTGAAAAGGTGAAAGGAGGGGATGACCACGATGACACCTCCGATAGTGACAGCGA
TGGCCTGACCTTGAAAGAGCTTCAATCGCCTTCGAGGAAGCGGGAACAGGAGCCCCACTGAGAGGGCCCCTGAA
AGGGATCCAGAGTCGCTGCGGAAGAAGCGCGGGAGGAGGGTCCCGCGAGACTGTGGGCTCCGAGGCCAGTGA
CACTGTGGAGGGCGTCTGCCAGTAAGCAGGAGCCCGAGAACGATCAGGGGGTTGTGTCCAGGCTGGGAAAGA
TGACAGAGAGAGTAAGTTGGAGGGAAAGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACC
GAAGCCTGAATGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGGTTTTAT
GATTTGCTGTGACCGCTGTGAAGAATGGTTTTATGGCGATTGTGTGGGCATTTCTGAGGCTCGAGGGAGGCTTTT
GGAAAGGAATGGGGAAAGACTATATCTGCCCAAACCTGCACCATTCTGCAAGTGCAGGATGAGACTCATTGAGAAC
GGCAGATCAGCAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAACAATAGA
GCAGAAGTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAATCCAAGTGGCAAGAAGAAACT
CAAGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAATGTATTGGCCCCGGGTGCTGTACGTGGCGCA
GCCCCACTCGGTGTACTGCAGTAATGACTGTATCCTCAAACACGCCGACGACAATGAAGTTTCTAAGCTCAGG
TAAAGAACAGAAGCCAAAGCCTAAAGAAAAGATGAAGATGAAGCCAGAGAAGCCAGTCTCCGAAATGCGGTGC
TCAGGCAGGTATTAAATCTCTTCTGTGCACAAGAGACCAGCTCCAGAAAAAAGAGACCACAGTGAAGAAGGC
AGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAGCACGCCGTCGTGGGCGAG
CGATCACAATTACAATGCAGTAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGTCAGTGTGTATAAATGTATGTA
TCACCTAGGGGTTGGCCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCCATCCCCTGGGCCTGTCCAGGACTGGG
AGTTGCAGCTTTGTGTATAAGCTGATCACAGACACCGGCTGCACCATCAGCGGGAAGCAGAGCCCAGTGTCCAGGAT
GCCTCCTGCTGCCCTGTGTCCATCCCTAGTCTGTCTGAGGACTTCTGTCTACTGTTTCCAAAGCTGTAAACCTCAC
TGGTGAACGTTTACCTTAATGATTGATTCTTTAATCTCTGTTTTCACTCTCAGGCTCTGGTAAGTATTCTGATT
TCTTCATCCCAGTCTGATTGCATAGCCACACTGCCCGGCACGCCACATCCACCCCTGTCTGCACATGAGTTGTT
TGACAACAGCGCTGTATACGCTTCAGTTTTTCCACATTGTCCACGGCCAGCACATGAAAGCATCACTTCTTTTTT
ATGTTGTGGGAATCTTTGCAAGTTAGTGTGATCTGATTTTCAAGGTGTACATTTATTTTTGACTGGGCAGATAG
GGGATTTTTTTTTTCCATGTCCGATTACACAGCTACACACCCACATGAACACATTCGAACTTCGAAGGCCACAC
ACTCCTGCTTCATAGGCCCCACGGTAAGTGAGTTACACCTAGAACACTGTCTGACCCGAGGACGCGTGCCTTG
GACTTGGTATTCTACATGTGACTGGCTTTCTTGCCCTCGTCTCTTGAATGTTTAGACTCTTAAGATCATATCCTG
CCCCAAATTTCAAATTAATGAAATGAAGATATTTCAAACAGATCTTTGAAACCTCAGATTCTGTGGTGCAATTT
AATGTTTTCTTGTCTCAGTTTTCTGCTATAAACTATTTTCAATTCAGTC

6343/6881
FIGURE 5858

MDDKGDP SNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDAEADPLEPPPPQQQLGLSLRRSGRQPKRTERVE
QFLTIAARRRGRRSMPVSLSDSGEPTSCPATDAETASEGSVESASETRSGPQSASTAVKERPASSEKVKGGDDHDD
TSDSDSDGLTLKELQNRLRRKREQEPTERPLKGIQSRLRKKRREEGPAETVGSEASDTVEGVLP SKQEPENDQGV
VSQAGKDDRESKLEGKAAQDIKDEEPGDLGRPKPECEGYDPNALYCICRQPHNNRFMICCDRCEEWFHGDCVGIS
EARGRLLENGEDYICPNCTILQVQDETHSETADQQEAKWRPGDADGTDCTSIGTIEQKSSEDQGIKGRIEKAAN
PSGKKKLKIFQPVIEAPGASKCIGPGCCHVAQPD SVYCSNDCILKHAAATMKFLSSGKEQKPKPEKMKMKPEKP
SLPKCGAQAGIKISSVHKRPAPEKKETTVKKAVVVVPARSEALGKEAACESSTPSWASDHNYNAVKPEKTAAPSPS
LLYKCMYHLGVGLLDP SRSFWIAIPWACPGLGVAALC

6344/6881
FIGURE 5859

GGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTTGTTGAAAATACGAAGCCTGTTACTCGTGAACAGT
GGCTGACAACAGTGTGTTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCGTCTGCCAGGGTTTTTGGTTG
TATTTAGGATTTTCAGGGAAAAGTGTCCAAGCTTTTCAGTGTGGAGCAGGTATGACGACAAAGGCGACCCGAGCA
ATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTTCAGGAAAACATGGGGTTTTTCGAAGGACCACTA
TCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCCACTGGAGCCGCCACCCCCACAGCAGCAGCTGGGCC
TGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTCCTGACCATTGCGCGGCGCC
GCGGCAGGAGGAGCATGCCGTGTCTCCCTGGAGGATTCTGGTGAGCCACGTCCTGCCCCGCCACAGACGCCGAGA
CAGCCTCCGAGGGCAGCGTGAAAGCGCTTCTGAGACCAGAAGCGGCCCCAGTCTGCTTCCACAGCTGTGAAGG
AACGACCAGCCTCTTCTGAAAAGGTGAAAGGAGGGGATGACCACGATGACACCTCCGATAGTGACAGCGATGGCC
TGACCTTGAAAGAGCTTCAGAATCGCCTTCGCAGGAAGCGGGAACAGGAGCCCACTGAGAGGGCCCTGAAAGGGA
TCCAGAGTCGCTGCGGAAGAAGCGCCGGGAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGGGCAGTGACACTG
TGGAGGGCGTCTGCCAGTAAGCAGGAGCCCGAGAACGATCAGGGGGTTGTGTCCAGGCTGGGAAAGATGACA
GAGAGAGTAAGTTGGAGGGAAAGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACCGAAGC
CTGAATGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGGTTTATGATTT
GCTGTGACCGCTGTGAAGAATGGTTTCATGGCGATTGTGTGGGCATTTCTGAGGCTCGAGGGAGGCTTTTGGAAA
GGAATGGGGAAGACTATATCTGCCCAAACCTGCACCATTTCTGCAAGTGCAGGATGAGACTCATTGAGAAACGGCAG
ATCAGCAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAACAATAGAGCAGA
AGTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAAATCCAAGTGCGCAAGAAGAACTCAAGA
TCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAATGTATTGGCCCCGGGTGCTGTACGTTGGCGCAGCCCG
ACTCGGTGTACTGCAGTAATGACTGTATCCTCAAACACGCCGAGCGACAATGAAGTTTCTAAGCTCAGGTAAAG
AACAGAAGCCAAAGCCTAAAGAAAAGATGAAGATGAAGCCAGAGAAGCCCAGTCTTCCGAAATGCGGTGCTCAGG
CAGGTATTAAAATCTCTTCTGTGCACAAGAGACCAGCTCCAGAAAAAAGAGACCACAGTGAAGAAGGCAGTGG
TGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAGCACGCCGTCGTGGGCGAGCGATC
ACAATTACAATGCAGTAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGTCAGTGTGTATAAATGCTCTGGTAAGT
ATTCTGATTCTCTTTCATCCAGTCTGATTGCAATAGCCACACTGCCCGGCACGCCACATCCACCCCTGTCTGCACA
TGAGTTGTTCTGACAACAGCGCTGTATACGCTTCAGTTTTTCCACATTGTCCACGGCCAGCACATGAAAGCATCA
CTTCTTTTTTATGTTGTGGGAATCTTTGCAAGTTAGTGTTCATCTGATTTTCAGGTGTACATTTATTTTGGACT
GGGCAGATAGGGGATTTTTTTTTTCCATGTCCGATTACACGCTACACACCCACATGAACACATTCGAACTTCG
AAGGCCACACACTCCTGCTTCATAGGCCCCACGGTAAGTGAGTTCACACCTAGAACACTGTCTGACCGCAGGAC
GCGTGCCTTGGACTTGGTATTCTACATGTGACTGGCTTTCTTGCCCTCGTCTCTTGAATGTTTAGACTCTTAAGA
TCATATCCTGCCCCAAATTTCAAATTAATGAAATGAAGATATTTCAAACAGATCTTTGAAACCTCAGATTCTGTG
GTGCAATTTTAATGTTTTCTTGTCTCAGTTTTCTGCTATAAACTATTTTCAATTCAGTC

6345/6881
FIGURE 5860

MDDKGDPSNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDAEADPLEPPPPQQQLGLSLRRSGRQPKRTERVE
QFLTIAARRRGRRSMPVSLEDSGEPTSCPATDAETASEGSVESASETRSGPQSASTAVKERPASSEKVKGGDDHDD
TSDSDSDGLTLKELQNRLRRKREQEPTERPLKGIQSRLRKKRREEGPAETVGSEASDTVEGVLPKQEPENDQGV
VSQAGKDDRESKLEGKAAQDIKDEEPGDLGRPKPECEGYDPNALYCICRQPHNNRFMICCDRCEEWFHGDCVGIS
EARGRLLENGEDYICPNCTILQVQDETHSETADQQEAKWRPGDADGTDCTSIGTIEQKSSEDQGIKGRIEKAAN
PSGKKKLKIFQPVIEAPGASKCIGPGCCHVAQPDVYCSNDCILKHAAATMKFLSSGKEQKPKPEKMKMKPEKP
SLPKCGAQAGIKISSVHKRPAPEKKETT VKKAVVVPARSEALGKEAACESSTPSWASDHNYNAVKPEKTAAPSPS
LLYKCSGKYSYSLHPSLIA

FIGURE 5861

[illegible]

6347/6881
FIGURE 5862

MASPRTRKVLKEVRVQDENNVCFECGAFNPQWVSVTYGIWICLECSGRHRGLGVHLSFVRSVTMDKWKDIELEKM
KAGGNAKFREFLESQEDYDPCWSLQEKYNSRAAALFRDKVVALAEGREWSLESSPAQNWTPPQPRTLPSMVHRVS
GQPQSVTASSDKAFEDWLNDLGSYQGAQGNRYVGFNTPPPQKKEDDFLNNAMSSLYSGWSSFTTGASRFASAA
KEGATKFGSQASQKASELGHSLNENVLKPQAEKVKEGKIFDDVSSGVSQLASKVQGVGSKGWRDVTTFSGKAEG
PLDSPSEGHSYQNSGLDHFQNSNIDQSFWETFGSAEPTKTRKSPSSDSWTCADTSTERRSSDSWEVWGSASTNRN
SNSDGGEKGEGTKKAVPPAVPTDDGWDNQNW

6348/6881
FIGURE 5863A

CACCAAGCCAGGATCCGCGCACTCCTGGTGGGTCAGAGTGGAGAGAGACCGGCCCCAGTTCCGCTGCCTGCCCC
CCGTGCCTGCTGACATGGTCTTCTGGTGGACGGGTCTTGGAGCATTGGCCACAGTCACTTCCAGCAGGTCAAGG
ACTTCTGGCCAGTGTCTATCGCACCCCTTTGAAATCGGGCCGGATAAGGTCCAAGTAGGCCTGACTCAGTACAGCG
GGGATGCTCAGACTGAGTGGGACCTGAACTCCCTCAGCACCAAGGAACAGGTGCTGGCAGCTGTGCGCCGCTCC
GCTACAAGGGGGGGAACACGTTTACAGGCCTTGCCCTGACCCACGTGCTGGGGCAGAACCTGCAGCCGGCGGCTG
GCCTCCGTCCAGAGGCAGCCAAGGTGGTGAATTCTGGTGACGGACGGCAAGTCCCAGGACGATGTGCACACTGCTG
CCCGTGTCTCAAGGACCTGGGCGTGAACGTCTTCGCTGTGGGTGTGAAGAACGCCGATGAGGCTGAGCTGAGGC
TCCTGGCGTCCCCGCCGAGGGACATCACCGTCCACAGCGTGCTGGACTTCTGCAGCTCGGCGCGCTGGCTGGCC
TGCTCAGCCGTCTCATCTGCCAGAGGCTCCAGGGTGGGAGCCCGCGGCAGGGCCCAGCAGCGGCTCCAGCCCTGG
ACACCCTCCCTGCCCCACCAGCCTGGTCTGAGCCAGGTGACCTCCTCCAGCATCCGCCTGTCTGGACTCCAG
CCCCCGGCACCCCTCAAGTATCTGATCGTTTGGCGAGCCTCTAGAGGTGGCACCCCCAGGGAGGTGGTGGTGG
AGGGACCCGCCGCTCCACGGAGCTGCACAACCTGGCCTCCCGCACAGAGTACCTGGTCTCCGTGTTCCCCATCT
ATGAGGGCGGGGTGGCGAAGGCCTGCGGGCCTGGTGACCACAGCACCTCTGCCTCCGCCCGGGCGCTGACCC
TGGCCGAGTGACGCCCAGAACCGTCCACCTCACCTGGCAGCCCTCGGCCGGGGCCACCCACTACCTGGTGCAT
GTTCTCTGCTTCCCCAAGGTGAAGAGGAGGAGCGAGAGGTGCAGGTGCGGGCGGCCGAGGTGCTGCTGGATG
GCCTGGAACCTGGCAGGGACTATGAGGTCTCGGTGCAGAGCCTGCGAGGCCCTGAGGGCAGCGAGGCCGGGGCA
TCCGTGCCAGGACCCCCACCTGGCCCCCGAGACACCTGGGCTTCTCAGACGTGAGCCACGACGCGGCACGAG
TGTTCTGGGAGGGTGGCCGAGGCCTGTGCGCCTGGTCAGGGTCACCTATGTGTCCAGCGAGGGTGGACACTCGG
GGCAGACAGAGGCTCCTGGGAACGCCACCTCGGCCACGCTGGGGCCTCTCTTCTCCACCACCTACACTGTCC
GTGTACCTGCCTCTACCCTGGGGGTGGCTCCTCTACGCTGACTGGCCGGGTGACCACCAAGAAAGCTCCCAGCC
CAAGCCAGCTGTCCATGACGGAGCTGCCAGGGGATGCAGTCCAGCTGGCGTGGGTGGCCGACGCCCGTCTGGCG
TGCTTGTCTACCAGATCACGTGGACGCCCCCTGGGAGAGGGGAAGGCTCACGAGATCTGTCTCCAGGGAACCTCG
GCACGGCCGTCTGCCTGGCCTAGGGAGGCACACAGAGTACGACGTACCATCTTGGCCTACTACAGGGACGGGG
CCCGCAGTGACCCTGTGTCCCTCCGCTATACCCCTCCACGGTGAGCAGGAGCCACCTCCAACCTGGCCCTGG
CCTCGGAGACCCCGACAGCCTGCAGGTGAGTGGACGCCCCGCTTGGCCGCGTGCTCCATTACTGGCTCACCT
ACGCCCCCGCCTCTGGCTTGGGACCCGAGAAATCCGTCTCTGTGCCAGGAGCCAGGAGCCACGTGACACTGCCCG
ACCTGCAGGCAGCCACGAAGTACAGGGTCTTGGTCTCAGCTATCTATGCAGCAGGCAGGAGTGAGGCTGTGTCTG
CCACGGGCCAGACAGCCTGCCAGCCCTCCGCCCTGACGGCTCCCTCCAGGGTTTGACCTGATGGTGGCCTTCA
GCCTGGTGGAAAAGGCTTATGCGTCCATCCGGGGCGTGGCCATGGAGCCCTCTGCCTTCGGTGGGACCCGACCT
TCACGCTCTTCAAGGACGCCCAGCTGACAAGACGGGTGAGTGACGTCTACCCAGCCCCCTACCTCCAGAGCACA
CCATCGTCTTCTTGTGCGCCTACTTCCCGAGACACCCCGTGAGGCCTTCGCGCTGTGGCAGATGACAGCCGAGG
ACTTCCAGCCCCCTCCTTGGGGTCTGTCTGGATGCCGGGAAGAAAGTCCCTGACCTACTTCCACCGTGACCCAGGG
CTGCCTTGACAGGAGGCCACCTTCGACCCGACGGAAGTGAGGAAGATTTCTTCGGGAGCTTCCACAAGGTGCACG
TGGCTGTGGGCCGCTCCAAGGTGAGGCTCTATGTGGACTGCCGGAAGGTGGCTGAGCGGCCCTTGGGGAGATGG
GCAGCCCACCCGCTGCGGGCTTCGTACGCTGGGGAGGCTGGCCAAGGCCAGGGGCCCGGAGCAGTTCGGCCG
CGTTTCAGCTCCAGATGCTGCAGATCGTGTGAGTGACACCTGGGCCGATGAGGACCGGTGCTGTGAGCTCCCTG
CCTCGAGGGATGGAGAGACCTGCCCCGCCTTCGTGTCTGCCTGTTCTCTCCTCAGAGACCCCTGGGCCCCCAG
GACCTCAAGGACCCCAAGGCCTCCCTGGGAGGAATGGCACCCAGGAGAGCAGGGCTTCCAGGGGCCAGGGGTC
CACCAGGGGTCAAAGGAGAGAAGGGAGACCATGGGCTTCCAGGCTTGACGGGCCACCCCGGCCACCAGGGCATCC
CCGGGAGAGTTGGCCTCCAGGGACCAAGGGGAATGAGAGGCCTGGAGGGAACTGCTGGCCTGCCTGGACCCCTGG
CCCCAGGGGGTTCCAGGGCATGGCAGGGGCCAGGGGCACTAGTGAGAGCGAGGACCTCCAGGGACCGTGGGGCC
CACAGGACTGCCAGGGCCCAAGGGGAACGAGGAGAGAAGGGCGAGCCGAGTCCCTTGCCACCCTCTACCAGCT
TGTGAGCCAGGCCCTGTGAGTCTGCCATTGACACACAGTGTCAAAGTTCGACTCCTTCCACGAGAACCAGGCC
CCCCATGCCCCATCTTGGAGCAGAAGCTGGAGCCGGGCACTGAGCCCTGGGGTCCCCTGGCACCCGACGCAAGGC
CCTGGTTCTTGGAGAATGGGGCGTGGTGGCCGCCACCTTGAGGGCAGAGGGGAGCCTGGAGCTGTTGGTCAAT
GGGCAGCCCTGGGCAGCAGGGGGCTAGCACCCAGGGCCTTGGGAGTGACAGGACATTTCTGCACCTGCCCGAG
GAACGCTGAGCCTTCTCCCTGGGTTTGTCTGGACACCGAGAGCGACCACATCCTGGAGAAGCCAGGAGAAAAGC
TCAGGAAGAGCCTGCAGGTGGAAGGAGAGGGAAGCAGCGGCCTCGGCCAAGGCCACCCCATACTCTTGGCTCTG

6349/6881

FIGURE 5863B

TAGCATTTCCTCAAGTTTCAGATAAACCCCTGAGTGCTCACCCAGCCAAGCGAGGCGGGAGTCATTTCTGGGAGAGT
GTCCCCCACCCTGGCTCTGTGCACCCACCTTGAGGCCCTGCAGCTTCAGCCGCAGTGGGGAAGGGGAGGGGCTG
GGCTGATGGCGAATCGGGTTCAGGAGGGCAGCAGTGCCCTGTGGCCGTCTCAGTAGCTCTAAAACAGGCTCAACA
ACATGCCCCGCCCCCTTTCTCTGGGCCTCATCTAAGCCTGGCCAGGGCCCTGTGGGCCCCGCTCTCTCTGCGCCTC
ACGCAGGCAACAGATGGTTCCACTGCTGGCCCACCAGTCACCTGCACGATGGCTCCTCCCTCAGAACAGCACTCC
CACCCCGGGCCCCAGCACCTTCACATCTGGGCACAGGCAGGTCCCTGCCTGCCTCATCGTCCCTCTGTCCCCAGC
CCAAGAAGGAGTTTCAGATCCTGTGTGTGAATGGCCACCCCTCACCCACCCAGCCCTGTGCTGAGTTTCCTTGTGCA
GGGACATTGCTTTGAGACTTGGCACCATCAGCCCCCTGGTCTTAGGGTCTCAGAGCAAGGTCATCCCTCAGCAGG
CTTCTGGCCTGTGCGCTCCTCAGCACCTCTGCCAGGTCTCTCCCAACCATCACAGACGCTGTGTGAGCCTGGAC
TTCCTGCCTTATCCCCACTGTGGCCCAAACAGCATGGGGGCAAGCTCAGAACACACACCTGGGCTTCTGGGCCCTT
GTGGCCCGTGGGGGTGATGTGGGAACCTTCTACTTCTTTTCCAAACAAATATTCAGTAAGTACTAGTCCACTGTTACCA
CTTAGGCAGCTAAGCAAGAAAGGTGCCAGAAATGAAGAGGGAAGCCATATCATTGAGGAGAGAATGAAAAGTATT
AAAAAGGAACAAAGAGAGACCCTTGATATTGACAGAAGGAAAACCCACCAAGATCACCAGTGCAGCATTGCGTGC
ACCAAAGCATACCCCAAAGAGGTGAGCGCAAAACAGCTTCAGGGCAAAACACTTCATCTATGATTCAACTGTTCCA
GGAAGTACAGACCTGGAGACCAATAGAGAGTCATAGGCAGGGTCAGCAGGATGGGAGAGAGCGCCTGCACCC
ACAGGAGCCACAGCCCTGACTGAGGCCAGGAAGCAGCCCCAAATGCCAGCTCCCACTGCAGCATGAGAACAGAAA
CAGACCACTGAAAATTCCCAAAGTCTGTGGACAAATCAGACGTCGAAGAAGTCACGTGGCATCGAGACAGATTTT
GCACTGAGGGACAAGGAGAGCATGTGGCCAAAGTAGGTGCAGGTAAAGCAGCATCTGGGGCAGAGTTATAGCCTT
CAGTGCAGGTATCAGACACAGTTGTTGAGAGCAGCAGCCCAAGCCAGCCCCCTCCGTCTGCAGGGAGGACACCTA
GGTCACTTGGCTTCTGTTGGGGAGCTGAGTTGCTTCAGATTGTGTGACCAGCAAAACAGCTTGGTTGCTCTCACT
TGGTTTCTCCAGGGCGGGGAATTACATGTCCCCAGCTGAACTGAGAAGGCTCTTTGAGCAGTGGAGTGAGCAGGC
TTTGTCTAGAGCAGGAGTGGGGCTAGAATCAAGCCCAGAGCCCACAGGGCATCCAGAGCCTTCCAAAGGAGCCC
CTCTCTGGGGCTCTCCAATTTGATGAAGGGACTGGGCACTGGGTGGCTGAGACCACATTGGCAGCCAGGAGGAG
GCAGCCTGGCCGGGGGAACAGGGTGGCTCTAATCCCCACCACCCCTCAGCTGCCCTACCCCGCCACGCTGG
TGTGACACCAGTGATGCTCAGCCTCAAAGGGGAGTCCGGCTGTCTTCGGGAAACTGACTTTATGCTGGAGGCCA
ATTAAGATGGCACAGCAAAGGCAGCGCCAGCTGGTGCCAGGCAGCTTAGGGACTGGTCCCTGAGGCCCCACCC
GCCCCAGCCTGTGCAGTGGAGCTGAGTACGAATCAAAGGTGAGGATGGCAAGGGAGCTGAGAGCAGCCTCCGGAT
GCACCAAACCGCCTGGCTCCTGTTTGCAGGAAGGCAGCCTCCCCGAGACCCAGCCGACCTGCACGTCTCCCATC
AGCCCCGACTCCACCGCATCCCTCTGGGTCTTTTAGGAGCCCCAGGGACTGAGCCGGGGCTCACGCTCCTGGC
CAGAGCGCTGGGTTTCTGGCAATGCCTCCCCCTCTGCCTTTACGGCCACAGCTCTCCCCCTCCAGAGGCCCTCTG
TAGTGGGCCCTCGTCCCTCTCCACCCCCAGAGGCAGCACAGCTTCAGCCCTACGCAGTGTGGGGGCTCCGGGAG
GAAATGCAGGGAGGTGCTTGGTCTTGGCCCAGAGCTCATGGCCTTAGGTGCTGCCCCCAGTCACCCCGTGGCCA
TGCAGCCGGGGATGTTTCAGCTCAGGCCAGCCACCGAGGTGGTGTGACGCAAGGCTGATCTGACGCTCAGCTCAGG
CCGCTGGGGTTCATGGGGGTTGTGGGAAGGTCTGGAATCACGGGGCTCACGCTGGGGTTCAGAGGTGGTGTGGCT
GTGTGGAAGTGAAGGGGCGTGCAGCCATGCGTATCTGACCTGCCCTCCCTAGGTCTGCAGGCAGTGCCGAGTGGC
TCTGCCTGAGGCCCCAAGAGCGACCTTGGAAAGCTCCAGGCCTTCACAGCCCCCTCTGAGAGCCACCTGCAAGGTGG
GGAGCTGGGAAGAACGGCTCAGTGATGAGCTCAGAGGGAGGGGTGGGCACAGCGCCAGGAAGGCGGGTGCCTGC
AGGCCTGGGAGGAATGTGTAGCAGGAGGCAGGGGGTGTGTGCCCCGAGGACCAGCAGGTGAGGCGTGTCCACCC
ACAGAGGATGGCTCTGGCCCAGGCAGTGTGAGAAATGGAAGCTGAGGAAACCAACCCAGCTGTAGAGGAGCCT
GCCCCGATGCCATCTGCACCTGGGGGGCGACGTATGGCTGCCAGCCTCTTCATCTACCAAGGACCAGGGCAGTGG
GGACGGGAGAGCTGGGACACGTGGACTCACACCAGGGCAGATGGTGGGGGAAGCCAGTGTCTGTAGATTCACTGC
ATTTCTTGGGGAAGGGCGTGAACATTTGGACTTGAGCCCCAGCACAGAGACGATGTGATAATACAGCCCCCAT
CGTGATCTGATGGTAAGTACAGAACTCCTTGCCAGTGGAGAAACACTCTCCTCTCATGTGTGGAATATCCACAC
ACTAACCATGAAGTGGGCCATAAGAAACCTTACATTCCAAAGGATCCTGTGTTTCAAGAACTCACTCACTCACTGA
TGAAACTGGAAAAACAACCAATGATAACAAGCTAAAGAATGCCTCTAGAAGCTAAAAGACACACCCATGACTCCA
CAGTAATTTCATGGGTTAAAGAGAAAAAAGGAAACGTGAAGATACTTGTAAACCAATAATGATGGATGCAGCGCCA
CGTCAGAATCTCTGTGCTGCAGCTGCAGTGGTACCTAGAGGGCAATTTATAGCTGTAAATACAGTGCTTTGTTTT
GTTTTCTTGTTTTTTGTAGACAAGGTCTTGCTCTGTACCCAGGCTGGAGTACAGTGGCATGATCTCGGCTCAATG

6350/6881
FIGURE 5863C

CAACCTCTGTGCCACCCTGGGCTCAAGTGGTCCTCCTGCTCCGGTCTTCTGAGTAGCAGGAACCACAGGCGTGCG
CCACCACGCTTGGCTAATGTTTTTGTATTTTTTAAATAGAGACAGGGTGTTGCCGTGTTACCCAGGCTGGTCT
TGAAC TTCTGAGCTCAAACGATCCACCCTCCTTGGCCTCCCAAAGTGGTGGGATTACAGGTGTGAGTCACCTCAC
CGGCCCTTAAACACAGTTTTTAGGGAAGATTCCAAC TCAAACAATTTTAAATAGTAGAAAATAAACCTGAAGCA
GTGTG

6351/6881
FIGURE 5864

MVAFSLVEKAYASIRGVAMEPSAFGGTPTFTLFKDAQLTRRVSDVYPAPLPPEHTIVFLVRLLPETPREAFALWQ
MTAEDFQPLLGVLLDAGKKSLTYFHRDPRAALQEATFDPQEVKIFFGSFHKVHVAVGRSKVRLYVDCRKVAERP
LGEMGSPPAAGFVTLGRLAKARGPRSSSAFQLQMLQIVCSDTWADEDRCCelpASRDGETCPAFVSACSCSSET
PGPPGPQGPPGPPGVKGEKGDHGLPGLQGHPhGQGIPGRVGLQGPkGMRGLEGTAGLPGLAPGGSRAWQGPgal
VESEDLQGPWGPQDCQGPkGNEERRASRSPLPPSTSL

6352/6881
FIGURE 5865

GGCACGAGGCTCTGTCGTGGCGCGGCTTCCCGCGGTCTTCTCTGCAAATGGGCTCCGTGGCCTAGCGCCCCCGTC
CCCGCCACCCGTGATCGTGCGCCGAGGCCCGCGAGGGGTGCGCGCCAGATCCCACCAGCCAGCAAGCTAAAGCA
TGGCGGCCATCCCCCTCCAGCGGCTCGCTCGTGGCCACCCACGACTACTACGGCGCCGCTGGGTCCACTTCCA
GCAACAGCTCCTGCAGCAGTACCGAGTCCCCCGGGGAAGCCATTCCCCACCCCCAGGTCTCCCCAAGGCTGACC
CGGGTCATTGGTGGGCCAGCTTCTTTTTCGGGGAAGTCCACCCTCCCGTTTCATGGCCACGGTGTTGGAGTCCGCAG
AGCACTCGGAACCTCCCCAGGCCTCCAGCAGCATGACCGCCTGTGGCCTGGCTCGGGACGCCCCGAGGAAGCAGC
CCGGCGGTCTAGTCCAGCACAGCCAGCGCTGGGCCCCCGTCCTGACCTGAGCGGTTACCACCAGCCCCAGGCCTGC
GGAGGCGCTAGTCCACCAGAGCCCCCTCCCCGCCCTCTCCCCACTCCGCATCCCTCGCCCCCTCCCCACCTCCC
ACCCCCACCTGTAAACTAGGCGGCTGCAGCAAGCAGACCTTCGCATCAACACAGCAGACACCAAAAACCAAGTG
AGAGCCCCGCTCTCTACCGCCCGGCCCGAGCACTCGCTAGCTTTCTGACACCTGGAAGTGTGCACCTGGCACCA
AGCGGAAAATAAACTCCAAGCAGCCAGTAGCCCCGAAAAAAAAAAAAAAAAAAAA

6353/6881
FIGURE 5866

MAAIPSSGSLVATHDYRRRLGSTSSNSSCSSTECPGAIPHPPGLPKADPGHWWASFFFGKSTLPFMATVLESA
EHSEPPQASSMTACGLARDAPRKQPGGQSSTASAGPPS

6354/6881
FIGURE 5867A

TGCTCACCTCTGACAGCCAGACAAGGGCTGTGCTCAGGGGCAGCTCGGCTGGGCACACAGTAGGTGCTTTAGCGG
ACAGCACTGAGGCCCCCAGCAAGAAGCCCCATGAGCTCCTCCCCCTCCCGCAGTGCCGCCGACATCTACATCCGGG
AGTATTTCCACAGCCACGTACGCGCGGCCACCCGAGGCCACTCCTCTCCGTGTGATGTACACGGACCGGCCGC
TGAGCCAGACGGACCCAGTCACGCTGCAGTACTGTTGCCTGACCGACGACCGCCAGGCTTTCCGCCCGCCACAC
GGGCAGAGCTGGCGCGGCACCGCGTGGTGGTACCACCACCTCCAGGCCCGTGAGCTCAGGGTGCCGGTTCGGCT
TCTTCTCCACATTCTCATCGATGAGCGGCCAGATGCTGGAGTGCAGGCCCTCACCCGCTGGCCTATGCCT
CGCACGGCACCCGCTCGTGCTGGCGGGCGACCACATGCAGGTACACCCCGGCTGTTCAGTGTGGCCAGGGCCC
GGGCGGCCGAGCACACGCTGCTGCACCGCCTCTTCTGTGCTACCAGCAGGAGACTCACGAGGTGGCGCGGCAGA
GCCGCTGGTCTTCCACGAGAACTACCGCTGCACGGACGCCATTGTAGCTTCATCTCGCGGCACCTTCTACGTGG
CCAAGGGCAACCCCATCCACGCCAGGGGCAAGGTTCCGCCCCACCCCGGCACTACCCGCTCATGTTCTGCCACG
TGGCGGGCAGCCCAGACCGGGACATGTCCATGGCGTCTGGCTGAATCTGGCTGAGATTGCGCAGGTCTGTCGAGA
AGGTGCAGGAGGCTTACAACACCTGGCCAGCTGCTGGGGCGGCCGAGCAGAGGTGCATCTGTGTCGTTTTCC
ACGGTGCCAGGTGAGTGCAGTGCAGTGCAGGAGCTGAGGAGGCGGGACCTAGGCCAGGTGTCTGTGCGCAGTTTTG
AGATCCTGCCAGGGCGGCAGTTCCGGGTCTGGTGTGCTCAGCACTGTGCACACCTGCCAGAGCCTGCTCAGCCCTG
GGGCACTGGCCCTGAGTTCTTACCGACGCGCCGCTGCTCAACACCGTCTGACCCGCGCCAGTCCCAGCTGG
TGGTAGTGGGGACGCCGTGGCCCTCTGCTCCTTCGGGGCCTGCGGCAAGCTCTGGGAGAGCTTCATCCGTGAGT
GCGTGGAGCGGCACAGTGTCTGCCCGAGGGCCTGTCCATGGAGCAGGTTCGAGCAGGGTGTGGCGCAGAGACGGC
GCTGGCCTCCCCGAGGCACACAGGCTGGGGCAGCGGGGAAGTGGGAGGCTGCCCCAGAGCCAGTAGGGGACCTGG
CCGAGGAGCAGGCGGCTGTGGTGAACGCCATGGTGAAGGCAGAGCCGGGAGATGAGGCTCTGAGCCAGCATCCC
GTGACATCACGGCAACACAGCGCAGACGGAGGCTGCGGCAGCACCAGCAGGAGACGCAGTGAAGGAAGACGTGG
TGCCCCGGGGCCTGTGCGGCAGGAGCGGCTGCTGCAGCGGGCGTGGAGTCCACGGAGGCTGAGGATGCAGAGGCTG
ACTTCTGGCCGTGGGACGGGGAGCTCAACGCTGACGACGCCATCCTACGGGAGCTTCTGGACGAGAGCCAGAAGG
TGATGGTGACCGTCCGGGAGGACGGGCTGTGAGACTGTGCGCAGGCCCGAGTCCCTGCAGCAGGCCCGGCTGT
ACGAGAACCTGCCCCCGGCTGCGCTACGGAAGCTGTGTCACGCGGAGCCCGAGCGGTACCGCCACTGCTCTTTCG
TGCCAGAGACCTTCGAGCGGGCGTACGCCATCCCGCTGGACGATGCCTCCTCGGGCCCCATCCAGGTGAGGGGCC
GCCTGGACTGTGGGATGGCCTTCGCCGGGGATGAGGTGTGGTGCAGCTCCTTTCGGGAGACAAGGCGCCCCGAGG
GGCGGCTTCGGGGCCGCGTGTGGCGTGTGAAGAGGAAGAGGCACGAGCTGGCGTTTGTGTGCCGCATGGACA
CGTGGGACCCGCGCATCATGGTCCCATCAATGGCTCCGTGACCAAGATCTTCGTGGCCGAGCTGAAGGACCCAT
CGCAGGTCCCCATCTACAGCCTCCGGAAGGGCCGGCTGCAGCGTGTGGGGCTTGAGAGGCTCACCGCCGAGGCC
GGCACAGCCGGCTCTTCTGGGTCCAAATTGTCTGTGGCGGAAGGCTTCTACTACCCGCTGGGCATCGTCCGGG
AGGTGCTGCCTGAGGCCAGCACCTGGGAGCAGGGCCTCCGCATCCTCGGCCTGGAGTACAGCTTGAGGGTGCCCC
CGTCGGACAGGCCACCATCACCAAGGTGCTGCAGAAATACCACACGGAGCTTGCCCGGGTTGCCGGCCGCCGAG
AGGACTGCCGCGCCTTCTTGACCTTCACTGTGGACCCCGAGGGCGCCTGCAACCTCGATGATGCCCTCAGTGTCC
GAGACCTGGGTCCAGGTGCGAGGTGGCTGTGCACATCACTGATGTGGCCAGCTTCGTGCCCGAGGACGGGGTGC
TGGACGTGGAGGCGGAAGGCAGGGCGCTGCGTTCTATGCCCCCGGCAGGGAGCCAGTGCCCATGCTGCCGGCCA
GCCTCTGCCAGGACGTCTTCAGCCTCCTGCCTGGCCGGGACCGCCTGGCCATCTCCCTGTTCTCACCATGGAGA
AGGCCAGTGGCCAGCTGAAGAGCCTGCGCTTTCACCCCTCCGTGGTCCAGTCTGACCGCCAGCTGTCTACGAGG
AGGCGGAGGAGGTGATCAGGCAGCACCCGGGTGCCGGCCGTGAGCTGCCGGCCCCGCTGGACTCCGTGGACGCCT
GCGTGTGGCCGCGTGTACTTCTCTCGGCTGCTGCGCCGGCACCGCCTGCGGTCCGACTGCTTCTATGAGCAGC
CGGACGAGGACGGCACCCCTGGGCTTCCGCGCGGGCCACATCATGGTGAAGGAGTACATGATTAGTTTAATAGGC
TCGTGGCTGAGTTCTTGGTGGGCAGCGAGTGCACGCGGACGGTACGCCTCTGCGGTGGCAGCCAGCACCCCGCA
GCCAGCAGCTCAAGGCCCTGTGTGAGAAGCATGGGGACGGGTGCCCTGTCACTGCACCTCGGCCACCACCTGC
ACGGCGGGCGGGGGCAGTCCCCCGACACGCGGCTGCACCTCCTGGCCTCCCTCTGGAAGCAGGTCCAGTTTGCTG
CCCGCACCCAGGACTACGAACAGATGGTGGACTTGGTACCACGGACGACATGCACCCATTCTGGCTCCTGCAG
GCCGCGACCTCCGCAAGGCCCTGGAGCGCTCGGCGTTGGCGCGTGCGCCCGGGGCCACCAGCAGAGGGCGGCC
ACTACTCGCTGCAGGTGGACTGGTACACGTGGGCCACCTCGCCCATCCGCAGGTACCTGGACGTGGTGTGTCAGC
GGCAGATCCTGCTGGCGCTGGGCCATGGGGCTCTGCCTACTCTGCCAGGGACATCGATGGGCTCTGCCAGGCCT
TCAGCCTCCAGCACGCACTTGCCAGAGCTATCAGCGCGGGCGCGCAGCCTGCACCTGGCCGTGCAGCTCAAGG

6355/6881
FIGURE 5867B

CCCAGCCTCTGGACAAGCTGGGCTTCGTGGTGGACGTGGAGGCGGGCTCCCGCTGCTTCCGGCTGCTCTTCCCCA
GCAACCGGGGAGACGCTGCCTGACCCCTGCCCCGTCCCCTACGGCTCCCTGCAGCTGGCCGAGCACCCCCACGCCC
TGGCAGGCCCGCCGGGCTGCGGCTCCTGTGGCGGCGCCGTGTCTACTCAGCGCAGGGATCCAGCCCCGCCCTGC
CACTGCCTGGCACTGTGCCGACCCACACACCCTGGCCGTGGAGACGGCCCTGTGGAAGCAGCTGCTGGAGCTGG
TGGAGCTGCAGCGCTGGCCGGAGGCGGCTGCTCTCATCCAGGAGAAGGGCGAGGCGTCCCAGCGGCGGGAGCTGG
TGCAGGTGCAGCGGAGCCACTGTGGCCATTTCTGGAGGTGGCCCGGGAGCTGGGCAGTGGGGACACCCTGCAGG
TGCAGCTCGGCACCAGCCTGCAGCACGGCTTCCTGGTACCGAGCCCTCAGCTCTGGACGGTGGCACCGGGCTTCA
GCCTCTGCCTGGAGCACGTGGAGCGGCCCGGAGACTGCTTCTCAGGCCGTGTGTACCGGGCCCCGAGGGACCGGT
ACCGCGACGTGGATGAGTACGCCTGCGTGTGGGAACCATTCTGCGCCCTGGAGTCCGCCACCGGCGCGGTTGCCG
AGAATGACTCCGTCACACTTCAGCACCTGAGTGTCTCCTGGGAGGCGTACGGACGCCGAGGGGCGAGCTGCAGG
GCGCCTTCCGCCTGGAGGCCGCCTTCCTCGAGGAGAACTGTGCCGACATCAACTCAGCTGCTGCTACCTCTGCA
TCCGGCTCGAGGGGTGCCGGCTCCCACGGCCAGCCACGCCCTGGGCCAGCAGCCTCGGCCCTGGCCTGAATG
TTGACCCCGGCACGTATACCTGGGTGGCCACGGGCAGACGCGAGGACTGGGACCAGGAGCGCCGGGCAGACCGGC
AGGAGGCTCCCAGACGGGTGCACCTCTTCGTCCACCACATGGGCATGGAGAAGGTTCCGGAAGAGGTGCTGAGGC
CGGGCACCCCTGTTACCGTTGAGCTGCTGCCCAAGCAGCTTCCTGATCTCCGCAAGGAGGAAGCCGTGCGTGGAC
TAGAGGAGGCGTCCCCGCTGGTCACCAGCATCGCACTGGGCCGGCCCTGTCCCGCAGCCCTCTGCAGAGTGATCC
CCAGCAGGTTCTCTGGAGCGGCAGACCTACAACATCCCCGAGGCGGCCACAAGCTGAACCCAGCCAGAACGTGG
CGGTCAGGGAGGCTCTGGAGAAGCCTTTACGGTCAATTCAGGGCCCACCAGGTACAGGGAAGACGATCGTGGGCC
TCCACATCGTATTCTGGTTTCATAAATCAAACCAGGAGCAGGTGCAGCCCGGAGGCCCCCCCCCGTGGGGAGAAGC
GGCTGGGGGGTCCCTGCATCTTGTAAGTGGGCCCTCCAACAAGTCGGTGGATGTCTGGCAGGACTGCTCCTGA
GAAGGATGGAGCTGAAGCCCCCTCCGTGTGTACAGTGAGCAGGCTGAGGCCAGCGAGTTCCAGTGCCGCGTGTGG
GCAGCAGGAAGCTGCTCAGGAAGAGCCCCGGGAGGGGAGGCGGAACCAGAGCCTCAGGAGCATCACCTGCACC
ACCGGATCCGGCAGGCCCCCAACCTTACTCGTCGGAATCAAGGCCTTTGACACCCGGCTGCAGAGAGGGGAGC
TCTTCTCCAGGGAGGACCTGGTCTGGTACAAGAAGTCTTGTGGGAGGCTCGGAAGTTCGAGCTGGACCGGCATG
AGGTATCCTCTGCACCTGCTCCTGTGCAGCCTCTGCCAGCCTCAAAATCCTGGACGTGAGGCAGATCCTTGTTG
ACGAGGCAGGCATGGCCACGGAACCTGAAACCTCATCCCCCTGGTGCAGTTCCACAGGCCCGAGAAGGTGGTTC
TTCTCGGAGACCACAAGCAGCTGCGGCCTGTGGTCAAGAATGAGCGGCTGCAAAACCTGGGTCTGGACCGGTCTC
TGTTGAGCGGTACCACGAGGACGCACATATGCTGGACACTCAGTACCGCATGCATGAGGGCATCTGTGCCTTCC
CCTCTGTGGCGTTCTACAAGAGCAAGCTGAAGACGTGGCAGGGCCTGAGGAGGCCGCCAGTGTCTGGGCCACG
CTGGCAAGGAGAGCTGCCCTGTATCTTTGGCCACGTGCAGGGCCACGAGCGGAGCCTGCTGGTGTCCACGGACG
AAGGGAATGAGAACTCCAAGGCCAACCTGGAGGAGGTGGCTGAGGTGGTCCGTATACCAAGCAGCTGACCCTGG
GGAGGACCGTAGAGCCCCAGGACATCGCCGTCTCAGCCCTACAACGCGCAGGCCTCTGAGATCAGCAAGGCC
TTCGGCGAGAGGGCATCGCCGGGGTGGCCGTGTCTCCATACCAAGAGCCAGGGGAGCGAGTGGCGCTATGTGC
TGGTGAGCACCGTCCGCACCTGTGCCAAGAGCGACCTGGACCAGCGGCCACCAAGAGCTGGCTCAAGAAGTTTC
TGGGCTTCGTTGTGGACCCCAACCAAGTGAATGTGGCTGTACGCGGGGCCAGGAGGGGCTCTGCCTGATCGGAG
ACCACCTCCTTCTGCGCTGCTGCCCCCTCTGGCGTAGCCTCCTGGACTTCTGCGAGGCTCAGCAGACCCCTCGTGC
CTGCCGGCCAGGTGCGCGTCTGCAGGAGGCCAATATGCCTTCTTGAAGAGCCCTCTCCACCTGCAAGGTGCCAG
GACTGGGAGGGAAAGTCCAGGGCCCCCCCCACCCTCCCCACCACCTCCGCCATCAGCCTGCCTGGGCCAGCCTGC
CTCCTGGCCTCAGGATCTCCCTGGGGCAGGAAGTGGGTGGACTTGGAGGAGGAACGGCAAGGGCCGGTCCCCACA
CTCTTGCTCCTCCTGGGCATCTGGGGACAGGAACACCTCTCAGGGTGGCCAAGAGGGGCTTCCTTGGGACCAGTG
CAAGGAAGTTCTGCTGTCCCTGGGAAGTCTCAGAACCAGGAAGGAAACCCTGTGGAGGCTGCCCTTTGACCTTTG
GACGCCACCTGTAATCACTCTGGATGGTGTCTGTGGAGTTCAGGTTTATTTTCTATTTAAATGAACTAAAAAGCCA
GCATCCTGCCGGGCGTGGTGGCTCACGCCATAATCCAGCACTTTGGGAAGCCGAGGCGGGCAGATCACCTGAGG
TCAGGAGTTCGAGACCATCCTGGCCAACATGGTGAACCCCGTCTCCACTAAAAATACAAAATTAGCTGGGCGTG
GTGGCGGGCGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCTTGACTCCAGGAGGCGCAGGCT
GCAGTGAGCTCTGATGGTACCACTGCACTCCAGCCTGGGTGACAGAGCGAGACCCTGTCTTAAAAAATAACAA
AACAAAACCAGCATCTGTTACTGGAACAGAGACCTCAGCCCAAGCTCAGGACAAGGAGGCCTCCCTGGGAGAGGG
GGCCTTTCTCCACCATCACCGCCTGTGTCTTCAGGGGCTGCTGGAGGGCAGCCCAAGCCAGGGGCCACCCC

6356/6881
FIGURE 5867C

GCCCCACCCACCCACCCACCCCTCTGAAATGTGAAAAGCCTGCACTCTTCCTGTGGGCTGCGCAGTGGGCTCG
GGGGTTGGGGGTGCCGGGGCGATGCTTCCACCCTGGACTGAGTGTTCTGGGGCAGCCTGCTCGGCTGTATGTTTC
TCGCACGCTCACCCGCTTCAGTGCGGCTCTGTCCCTGCTGCCGCCCTCCAGTCCTGAGGGAGGGGCTTGCCCCACC
TTCTACATTCCAATTTTTATATCTTTGAATTATGTGATTAGATATTAATTTAATGAT

6357/6881
FIGURE 5868

MSSSPSRSAADIYIREYFHSVSGGHPEATPLRVMYTDRPLSQTDPVTLQYCCLTDDRQAFRPPTRAELARHRVV
VTTTSQARELRVPVGFFSHILIDEAAQMLECEALTPLAYASHGTRLVLAGDHMQVTPRFLSVARARAAEHTLLHR
LFLCYQQETHEVARQSRLVFHENYRCTDAIVSFISRHFYVAKGNPIHARGKVPPHPRHYPLMFCHVAGSPDRDMS
MASWLNLAIEIAQVVEKVQEAYNTWPSCWGGREQRCICVVSHGAQVSALRQELRRRDLGQVSVGSFEILPGRQFRV
VVLSTVHTCQSLLSPGALAPEFFTDARVLNTVLTRAQSQLVVVGDAVALCSFGACGKLWESFIRECVERHSVCPE
GLSMEQVEQGVAAQRRRWPPRGTOAGAAGNWEAAPEFVGDLAEEQAAVVTAMVKAEPGDEALSPASRDITATTAQT
EAAAAPAGDAVKEDVVPGACAAGAAAAAGVESTAEADAEADFWPDGELNADDAILRELLDESQKVMVTVGEDGL
LDTVARPESLQQARLYENLPPAALRKLHLHAEPERYRHCSFVPETFERASAIPLDDASSGPIQVRGRLDGCMAGFAG
DEVLVQLLSGDKAPEGRRLRGRVLGVLKRKRHELAFVCRMDTWDPRI MV PINGSVTKIFVAELKDPSQVPIYSLRK
GRLQVRGLERLTAEARHSRLFWVQIVLWRQGFYYPGLGIVREVLP EAS TWEQGLRILGLEYSLRVPPSDQATITKV
LQKYHTELGRVAGRRED CRAFTFTVDPQGACNLDDALSVRDLGPRCEVAVHITDVASFVPRDGVLDVEARRQGA
AFYAPGREPVMPASPASLCQDVLSLLPGRDRLAISLFLTMEKASGQLKSLRFAPSVVQSDRQLSYEEAAEEVIRQHP
GAGRELPARLDSVDACVVAACYFSRLRRHRLRSDCFYEQPDEDGTLGFRAAHIMVKEYMIQFNRLVAEFLVGSE
CTRVTPLRWQPAPRSQQLKALCEKHGDRVPLSLHLGHHLHGSGGSPDTRLHLLASLWKQVQFAARTQDYE QMV
DLVTTDDMHFFLAPAGRDLRKALERSAFGRGCARGHQQQGGHYSLQVDWYTWATSPIRRYLDVVLQRQILLALGHG
GSAYSARDIDGLCQAFSLQHALAQSYQRRARS LHLAVQLKAQPLDKLGFVVDVEAGSRCFRLLFPSNRETLDPDC
PVPYGSILQLAEHPPHALAGRPGLRLLWRRRVYSAQGSSPPLPLPGTVPDPHTLAVETALWKQLLELVELQRWPEAA
ALIQEKGEASQRREL VQVQRSHCGHFLEVARELGSGDTLQVQLGTSLSLQHGF LVPSPQLWTVAPGFSLCLEHVERP
GDCFSGRVYRAPRDRYRDVDEYACVWEPFCALESATGAVAENDSVTLQHLSVSWEASRTPQGQLQGAFRLEAAFL
EENCADINFSCCYLCIRLEGLPAPTASPRPGPSSSLGPGLNVDPGTYTWVAHGQTQDWDQERRADRQEAPRRVHLF
VHHMGMEKVPEEVLRPGTLFTVELLPKQLPDLRKEEA V R G L E E A S P L V T S I A L G R P V P Q P L C R V I P S R F L E R Q T Y
NIPGGRHKLNP SQNVAVREALEKPFTVIQPPGTGKTIVGLHIVFWFHKS NQE QVQPGGPPRGEKRLGGPCILYC
GPSNKSVDVLAGLLLRME LKPLRVYSEQAEASEFPVPRVGSRKLLRKSPREGRPNQSLRSITLHHRIRQAPNPY
SSEIKAFDTRLQRGELFSREDLVWYKKVLWEARKFELDRHEVILCTCSAASASLKILDVRQILVDEAGMATEPE
TLIPLVQFPQAEKVVLGDHKQLRPVVKNERLQNLGLDRSLFERYHEDAHMLDTQYRMHEGICAFPSVAFYKSKL
KTWQGLRRPPSVLGHAGKESCPVIFGHVQGHERSLLVSTDEGNENSKANLEEVAEVVRITKQLTLGRTVEPQDIA
VLTPYNAQASEISKALRREGIAGVAVSSITKSQGSEWRYVLVSTVRTCAKSDLDQRPTKSWLKKFLGFVVDPNQV
NVAVTRAQEGLCCLIGDHLLLRCCPLWRSLLDFCEAQQTLPVAGQVRVCRRPTMPS

6358/6881
FIGURE 5869

ATGGACGAGGAGAGCCTGGAGTCGGCCTTGACAGACCTACCGTGCGCAGCTGCAGCAGGTGGAGCTGGCCTTGGGC
GCCGGCCTGGATTTCGTCTGAGCAGGCTGACCTGCGCCAGCTGCAGGGGGACCTGAAGGAGCTCATCGAGCTCACC
GAGGCCAGCCTGGTGTCTGTCTAGGAAGAGCAGCTTGTTGGCCGCGCTGGACGAAGAGCGCCCCGGGCCGCCAGGAA
GATGCTGAGTACCAGGCTTTCCGGGAGGCCATCACTGAGGCGGTGGAGGCACCAGCAGCGGCCCTGGGTCCGGA
TCAGAGACCGTTTCTAAAGCAGAGGCGGGGCCAGAATCTGCGGCAGGTGGGCAGGAGGAGGAAGAGGGAGAGGAC
GAGGAAGAGCTGAGTGGGACAAAGGTGAGCGCGCCCTACTACAGCTCCTGGGGCACTCTGGAGTATCACAACGCC
ATGGTGGTGGGAACGGAAGAGGCGGAGGATGGCTCGGCGGGTGTCCGTGTGCTTTACCTGTACCCCACTCACAAG
TCTCTGAAGCCGTGCCCCGTCTTCCCTGGAGGGAAAGTGCCGCTTTAAGGAGAACTGCAGGTTCTCCCATGGGCAG
GTGGTCTCTCTGGATGAGCTGCGCCCCCTTCCAGGACCCAGACCTGAGCTCCCTGCAGGCCGGCTCTGCGTGTCTG
GCCAAGCACCAGGATGGCCTCTGGCACGCAGCACGCATCACCGATGTGGACAACGGCTACTACACAGTCAAGTTT
GACTCGCTGCTGCTGAGGGAGGCCGTGGTGGAGGGGGACGGCATCCTGCCCCCACTGCGCACAGAGGCCACAGAG
TCCGACTCAGACAGCGACGGTACGGGTGACTCCAGCTATGCCAGAGTGGTGGGGTCAGATGCTGTGGACTCTGGG
ACCTGCAGCTCTGCCTTTGCTGGCTGGGAGGTGCACACGCGAGGTATAGGCTCCAGACTCCTCACCAAGATGGGC
TATGAGTTTGGCAAGGGTTTGGGCCGACACGCGGAAGGCCGGGTGGAGCCCATCCATGCTGTGGTGTGCTCGA
GGGAAGTCGCTGGACCAGTGTGTGGAGACCCTGCAGAAGCAGACCAGGGTTGGCAAGGCTGGCACCACAAGCCC
CCCAGGTGCCGGGGAAGAGGGGCCAGGCCTGGGGGCCGCCAGCTCCTCGGAATGTGTTTGACTTCCTCAATGAA
AAGCTGCAAGGTCAGGCTCCTGGGGCCCTAGAAGCCGGGGCGGCCCCAGCGGGGAGGAGGAGCAAGGACATGTAC
CATGCCAGCAAGAGTGCCAAGCGGGCCCTGAGCCTGCGGCTCTTCCAGACTGAGGAGAAAGATCGAGCGAAGCCAG
CGGGACATCAGGAGCATCCAGGAGGCTCTCGCCCGCAACGCTGGCCGGCATAGCGTGGCGTCAGCCCAGCTGCAG
GAGAAGCTGGCAGGAGCCCAGCGCCAGCTGGGGCAGCTCCGGGCTCAGGAAGCCGGCCTGCAGCAGGAGCAGAGG
AAGGCAGACACCCACAAGAAGATGACTGAGTTCTAG

6359/6881
FIGURE 5870

MDEESLESALQTYRAQLQQVELALGAGLDSSEQADLRQLQGDLKELIELTEASLVSVRKSSLLAALDEERPGRQE
DAEYQAFREAI TEAVEAPAAARGSGSETVPKAEAGPESAAGGQEEEEGEDEEELSGTKVSAPYYSSWGTLEYHNA
MVGTEEAEDGSAGVRVLYLYPTHKSLKPCPFFLEGKCRFKENCRFSHGQVVSLELRPFQDPDLSSLQAGSACL
AKHQDGLWHAARITDVDNGYYTVKFDSLRLREAVVEGDGILPPLRTEATESDSDSDGTGDSSYARVVGSDAVDSG
TCSSAFAGWEVHTRGIGSRLLTKMGYEFKGGLGRHAEGRVEPIHAVVLPRGKSLDQCVETLQKQTRVGKAGTNKP
PRCRGRGARPGGRPAPRNVDFLNEKLQGQAPGALEAGAAPAGRRSKDMYHASKSAKRALSRLRFQTEEKIERTQ
RDIRSIQEALARNAGRHSVASAQLQEKLAGAQRQLGQLRAQEAGLQQEQRKADTHKKMTEF

6360/6881
FIGURE 5871A

CGCTGCCGGTGCCGCACCCGCGCCCTCTGCCGCCGCCGCCGCCGCCGCCGGGTCTCCAGGCTGAGGAGTGCGT
CGGCCGCTGCCAGCAGCGCCGCGAATCGGGGAGCGGAGCCGCGGAGCCGGCGGGAGGGCGGGCGGGCGGGA
CGGGCAGAATAGCCTAACATGGCAGACCAGAGACAGCGCTCACTGTCTACCTCTGGGGAGTCATTGTACCACGTC
CTTGGGTTGGACAAGAACGCAACCTCAGATGACATTAAAAAGTCCTATCGGAAGCTTGCCCTGAAATATCACCCC
GACAAGAACCCGACAACCCGGAGGCCGCGGACAAGTTAAGGAGATCAACAACGCGCAGCCATCCTCACGGAC
GCCACAAAAGGAACATCTACGACAAGTACGGCTCGCTGGGTCTCTACGTGGCCGAGCAGTTGGGGAAAGAGAAC
GTGAACACCTACTTCGTGCTGTCCAGCTGGTGGGCCAAGGCCCTGTTTGTCTTCTGCGGCCTCCTCACGTGCTGC
TACTGCTGCTGCTGTCTGTGCTGCTGCTTCAACTGCTGCTGCGGGAAGTGTAAAGCCAAGGCGCCTGAAGGCGAG
GAGACGGAGTTCTACGTGTCCCCGAGGATCTGGAGGCACAGCTGCAGTCTGACGAGAGGGAGGCCACAGACACG
CCGATCGTCATACAGCCGGCATCCGCCACCGAGACCACCCAGCTCACAGCCGACTCCCACCCAGCTACCACACT
GACGGGTTCAACTAAATCCAGGAGGAGCTGTGGTCAGAGGAGGAGCCGGCGCCTGGCCACGCCAACCTTAGAATC
ATGAACTGTAGTCACAGAGATGGGAAGGCAGCCTCTGCCTGCCCTGGCCTTGCTGGGGCCCCCTCCTGCCTCCAC
GCCCCACCGAGCGTCGACCCCTTGACCCACGAAGTGCCTAGCATGCAGTATTTAAAGCAGTGTAGCTACGGTCTTCT
GTTTTTTTTCCCTTTTTTAATAGCATGTATGGGGTTCTGTTCCATGTCTGTGTTGTGGACATTCCGCGGCATGACC
GCGTGAAGTGCACGGTGGAGCTGCCTCAGGGCTGTGCGTCAAGTTGGTCCAGTGAGGGGTGACTGCAGCCGGTCA
GGTGGGCGAGGAGAAGGGGGGCTGCCCTTTCTACCTGTGCTTGAGGGGCCGAGGCAGGTGCTGCCTGGCAGA
GCTGTGTTACCGTCTTGGCCTCGGGGTCTGGTCCACACTCTGTGCTCCAGCCTTGAGGCTGCAGTAGGACTCTG
ATCTCACCTGCCAGAAGAGAGGCGGGGCCGCTCCTCCTGGCGTCACCGCGCTCACTGTCACTTCTTGCTGTCTG
TGCTGGGCATGTTTGGCTTGGGGGTCTGTGTTTTCTGGGCCCTTGTTGGCAGGGTTTCTCCCGTGGGAGAAATTGG
TGTGGAAGCATAGGAGGCCCTTCCGAGGTTGACACCGTGTCTCCGCGGTGTTTTCTCGCCTGGTCTGCTCGTC
GTGTGGACGCTGCCGTTCTGGTTCTCGGAGGTGTGTCTTCGCCGTGTTGGGGTTATTTGTCTGTGTTCTGTCAC
TTTTCCCGGCTCTGAGCTGGATTGATGGGGCCAGTCTCCCCCTCCCATCTTGAGGTCGTTCTCCACATTCCTT
CCAGCACACCTGTCTTTCCATAGCCCTTTTTGGACCTTTAGAACCACAGATGATAGGACCAGCCCAATGAGCCA
CAGTCAGAGAGTAGATTGTGCATGTGTGAGCACCAGCTACTGGGGACGGGGCTCTCCCACGACCCCTCCTCCT
GTGTTTGCCAGAGCTCCCATCTGCCCCACTCGCCTTTGCCCGCTCATCGATGATTACAGGCAGAGCCAGATTCTGTT
AGGTCCCTGGAGGAAGGACTGACTGGACCAGAGGGACCTCTGGCTCAGGAGGGTTGGGTCCCTGGGAGGGCCGGC
AGCCAGGCCACAGAATCCACACGTGGACCATTGTGGGTCCCTGGGAGGCCGGCAGCCAGGCCACGGAATCCACAC
GTGGACCATTGTGGGTCCCTTGGGAGGCCAGCAGCCAGACTACGGAATCCACATGTGGACCATGGGAAGTCAGTC
TCTTGCGTGTCTAGACCTTGTGGGTGGCGCCCTGCATAGGGGAGCAGGGGGAACGGGTCTGATGTCCCTGTGCT
GGCTGAGGGCTCAGAGCTGCCCCACTCCGTAGCTCATGGGATGTGCTGGGCCTGCCTTTGGCGCCATGCTGCAG
ACTCCAGTGGGCCTGGTTTCTGCAGAATGTCCATGGTGGCCGCTGCAGAGTTGCAGAGGTCCCTGTAGAGATAAA
GCTGAGGAGGAGGCTGTGTGTGATGGCTCTGGCTCGGACCAACCAGATGAGCCTCCTGAAGCCCCCTTCCCTGCC
TGCTGTGACCCGTGGCCCCAGCTCACTCATTGCCCTCAGCAGCCACCCGAGGCTGTGCAGAAAGGTAGGTTCA
GGTTGACCAGGAAGCTGCCAAAAGGGACATGGATATGAGGATACATCTGGACGTGCTTAGGAACAGGGTGCTGGT
TGAGGGCCCCCAGCTGACCCCTACTGCAGATCCGCATGTGGACCATGAGCCGGCTGCCAGCACTAGGTCTGGGC
AGCTTTGTTTGTCCACTTTTCTTTGTTTCTTCTCACTAAAATGATCACGAAGACCTTTGACAAGAGGAGAGATA
TGCACTGTGATATTAAATTAGAAATAATTTATCAAAATCAGACCTCTCCTAAAAGAATAAGAAATTCATTGTTTG
GCCCATCCTGAAAGGTGAGGTGGCGAGACAGTGGGTGCCTCCGTGCCGCTTCGTGCAGCAGCAAGTTCAGCCTG
AGATGCTGGCTGTACTCAGCCTTTGCAATTTTTGTAGATGTAGCTTAGGACGTGAGTTATTTTTCCGCAGACTGG
CCAAGAGCCAGGTTCTAAGCTTGGACCTAAGGTAGAAAGCTGCCCATCGGGGGCCCTAGCTCAGCCCCACCAGGC
CCTCTGTTGGGCCTGCACACAGCTCTGTGGCTAGAACACTCCAAGGCCCTTCGGTACCCATCAGAGTGGGGCCCT
TGCCAGGTGGCTTTTTAGTTACAGAGTCCAGTGGACCATTTTGTAGAACCATGCAGCTCCCTGCGGAAGGTGGGG
TAGGGTGGGAAAGAGGAGCAGGTCTGGAGTTTGTGGAACCCAGTCCCCTGCAGAATCTGTAAAACCTAATAAAT
CATGGTTGTGGCCATTCTCACGGTGGTGATTGTGATTAGACGACCCCGGAAGCCAGACACTCGGGGCCTGGA
GTTCTTCCCCCTGCCTGACCTAGAAGCAGAACCCTTTTACGCGCTCTGCCCTGTTGGCTTTAAGGCTTTGTCTTA
ATTTAAGGAAAAGATCCTCCCGGGTTTTATTTCTCTCTTTCTTGAGTGGACTGTTTCCCTATAATTAAAAGAGG
TGGTGAGTCTTGGGGCAGCTTCCGCGCTCCCTGTCCACGTGCTAACAGATCAGGACGCCCCCAGCACCCCTGCC
TGCTTTTGCTGGTGGCAGTGACGGGACCCGACTCCTCACTCTCGGGCCGAGACAATGCTGTGAGCAAGTGTGG

6361/6881
FIGURE 5871B

CCATGGGCACAGAATGTCCCTTTGGACGCCGCTGCTGGGGGCTGCCAGGGGCCCTCTGGGGTCGTGCTTTGAGGC
CCGTCCGGTTCACGAGGGGGTCCGGGCAGCACTGACTGCTTCCGACCTGCAGGAGGCGTAGGAGCGGGCCCTGCGG
GCCCTTTCACGGCAGCTGCTGCTGTATAGATTTGTCTCCACTCAGTGACGTGGGATTTTTTTGTCTTCCTTTTG
CTTTATTTTAAACTGCTTTAGATATTACTGCTCAGTGTTTGTGAACCTTCTCTAGTTCTCTATGTTGTTAGTGCA
GCCAGCACCCAGTGGGGACCTACTAGAAAAAGGAAGTGGCATGCACACGTGCCCAGCAGGAAAAGCTTCGTCTTC
ACGTCGGCTGCTGCCATCCAGAAGAGGCCCTGGAGCCTCACGCCGTCGAGGCTGCTCTCAGGCGTTCTGTTCCGG
GCGAGGCTTGTGCTGCAAGGAAGGGCACCAGCATGCAGGCTGCCACTGGAGGGTCCGGGTGCTGCGGGCAGAGTT
CAGCGCTTGTCCACCCCTCCCTTAGCTCTGACTCAGTGCATCCTACTGTGGGGACATCTCGTGAGGGGACACGAAA
TGACTGATCTCACCCCTTCCAGTATTCAGAGCTGTGAACCCCTGTGGCGCAGGACTGGCCTGTGTCTGTTATTT
TGGTTGTAAATCATTTCTCCTGTGGAATTGGCAAAAGCTACATTTTTACTGTCTTACCAGCAACAGTTTGCGTCG
TCACATGCTGTGAGTGTGGGCTGTGGTGTGTCCGTGTGTGTACATATGTGTATATGTATATATCACGCAGCAGGA
GTGTCATTCACTGCTGCTGTCCCCTGGTGAAGTGACAAGTACAATTAAAGGTGGCTCTGAAATGGCCTCTGGTTTC
TTGGGAGTCGGGCAGGGACCTGCAGGAGGCTTCCAGCAGGTGCACAGAAGGAAGCGCTGAGCCCACTGTGTGC
AGAGGGTGTGTGCCCAGGGCACTGCCACGGCCCCACCAGCATTGGCCTCTGCTCTGCAGGGTGGGGTGCCCATC
CTGGGGGCTGTGTGTGTCATGCTCACCTGACCCAGGTGTGTGTCCCGGTGTGAAATCGAGGAGGGGACTGGAAGCCC
TTCCCTGCCCTTGAACATGAAAGCTGATTTTCTGAGCAGCAGATACGGTCAGTGGCAAAGCTGCATCTGAAGGGC
GGCCTGGGAAGGGGCCCTGTGCTGGCCCCGGGTCCGCCCCAGAGGAGTCCACACAGCACCACTCCAGAAGGGGC
TGGGCCCCGGGTCTGTCAGGCGGCACCTTTTGGTAGAGTTTGTTCCTGGAAAATGGGGAAAATGTTTCAAGCC
AGGTGAGGGGGGAAGTTAACTGAAATATGTATTGTTTTTAAAAATCAAATGCACACGCATGGAAGCTGCTTGT
CCATGCACTGGTTTTGTCACTGGCGTCTGGAATCCGACCGTGTGGGGTGCAGGCGCTGTCAGACTCCGGCTGA
TCCTGGCTCGAGCACACACATCTAAGGGCCAGGCTGGTTCCGCATGGTGATCTCCGTCTTGTATGTCTGAATGTT
GGCCTAAAATAAAGATTACTGTTGTAAAT

6362/6881
FIGURE 5872

MADQRQRLSTSGESLYHVLGLDKNATSDDIKKSYRKLALKYHPDKNPDNPEAADKFKEINNAHAILTDATKRNI
YDKYGSGLGYVAEQFGEENVNTYFVLSSWWAKALFVFCGLLTCCYCCCCCLCCCFNCCCGKCKPKAPEGEETEFYV
SPEDLEAQLQSDEREATDTPIVIQPASATETTQLTADSHPSYHTDGFN

6363/6881
FIGURE 5873

CTACGGAGTGCATCGGACGTCGAAGCCTAGAGTCTCTGCGTCTTTCCCTCTTCCGCTGCCTCATTCCCTTTCTTC
CTAGCCTTGGTCGTCGCCGCCACCATGAACAAGAAGAAGAAACCGTTCCCTAGGGATGCCCGCGCCCCCTCGGCTAC
GTGCCGTGGCTGGGCGGGGCGCCACTGGCTTCACCACGCGGTGACACATTGGGCGCCCGCTGATGCAAATGAC
CCTGTGGATGATCGCCATGCACCCCCAGGCAAGAGAACCCTTGGGGACCAGATGAAGAAAAATCAGGCTGCTGAC
GATGACGACGAGGATCTAAATGACACCAATTACGATGAGTTTAATGGCTATGCTGGGAGCCTCTTCTCAAGTGGA
CCCTACGAGAAAGATGATGAGGAAGCAGATGCTATCTATGCAGCCCTGGATAAAAGGATGGATGAAAGAAGAAAA
GAAAGACGGGAGCAAAGGGAGAAAGAAGAAATAGAGAAATATCGTATGGAACGCCCCAAAATCCAACAGCAGTTC
TCAGACCTCAAGAGGAAGTTGGCAGAAGTCACAGAAGAAGAGTGGCTGAGCATCCCCGAGGTTGGCGATGCCAGA
AATAAACGTGACGCGAACCACGCTATGAGAAGCTGACCCCTGTTCTGACAGTTTCTTTGCCAAACATTTACAG
ACCGGAGAGAACCATACTCAGTGGATCCCCGACAACTCAATTTGGAGGTCTTAACACACCCTATCCAGGTGGA
CTAAACACTCCATACCGAGGTGGAATGACGCCAGGACTGATGACACCTGGCACAGGTGAGCTGGACATGAGGAAG
ATTGGCCAAGCGAGGAACACTCTGATGGACATGAGGCTGAGCCAGGTGTCTGACTCCGTGAGTGGACAGACCGTC
GTTGACCCCAAAGGCTACCTGACGGATTTAAATTCATGATCCCGACACACGGAGGAGACATCAATGATATCAAG
AAGGCGCGACTGCTCCTCAAGTCTGTTCTGGGAGACGAACCCTCATCACCCGCCAGCCTGGATTGCATCAGCCCGC
CTGGAAGAAGTCACTGGGAAGCTACAAGTAGCTCGGAACCTTATCATGAAGGGGACGGAGATGTGCCCCAAGAGT
GAAGATGTCTGGCTGGAAGCAGCCAGGTTGCAGCCTGGGGACACAGCCAAGGCCGTGGTAGCCCCAAGCTGTCCGT
CATCTCCACAGTCTGTGAGGATTACATCAGAGCCGACAGCTGGAAACGGACATTTCGTGCAAAGAAGCGGGTT
CTTCGGAAGCCCTCGAGCATGTTCCAAACTCGGTTCTGCTTGTGGAAGCAGCCGTTGAGCTGGAAGAACCTGAA
GATGCTAGAATCATGCTGAGCCGAGCTGTGGAGTGTGCCCCACCAGCGTGGAGCTCTGGCTTGTCTGGCAAGG
CTGGAGACCTATGAAAATGCCCGCAAGGTCTTGAACAAGGCGCGGAGAACATTCTACAGACCACATATCTGG
ATCACGGCTGCTAAGCTGGAGGAAGCCAATGGGAACACGCAGATGGTGGAGAAGATCATCGACCGAGCCATCACC
TCGCTGCGGGCCAACGGTGTGGAGATCAACCCTGAGCAGTGGATCCAGGATGCCGAGGAATGTGACAGGGCTGGG
AGTGTGGCCACCTGCCAGGCCGTGATGCGTGCCGTGATTGGGATTGGGATTGAGGAGGAAGATCGGAAGCATACC
TGGATGGAGGATGCTGACAGTTGTGTAGCCACAATGCCCTGGAGTGTGCACGAGCCATCTACGCCTACGCCCTG
CAGGTGTTCCCCAGCAAGAAGAGTGTGTGGCTGCGCGCCGCGTACTTCGAGAAGAACCATGCGACTCGGGAGTCC
CTGGAAGCACTCCTGCAGAGGGCTGTGGCCCACTGCCCCAAAGCAGAGGTGCTGTGGCTCATGGGCGCCAAGTCC
AAGTGGCTGGCAGGGGATGTGCCTGCAGCAAGGAGCATCCTGGCCCTGGCCTTCCAGGCCAACCCCAACAGTGAG
GAGATCTGGCTGGCAGCCGTGAAGCTGGAGTCCGAGAATGATGAGTACGAGCGGGCCCCGAGGCTGCTGGCCAAG
GCGCGGAGCAGTGCCCCCACCGCCCGGGTGTTCATGAAGTCTGTGAAGCTGGAGTGGGTGCAAGACAACATCAGG
GCAGCCCAAGATCTGTGCGAGGAGGCCCTGCGGCACTATGAGGACTTCCCCAAGCTGTGGATGATGAAGGGGCAG
ATCGAGGAGCAGAAGGAGATGATGGAGAAGGCGCGGGAAGCCTATAACCAGGGGTGAAGAAGTGTCCCCACTCC
ACACCCCTGTGGCTTTTGTCTCTCGGCTGGAGGAGAAGATTGGGCAGCTTACTCGAGCACGGGCCATTTTGGA
AAGTCTCGTCTGAAGAACCCAAAGAACCCTGGGCTGTGGTTGGAGTCCGTGCGGCTGGAGTACCGTGCGGGGCTG
AAGAACATCGCAAATACACTCATGGCCAAGGCGCTGCAGGAGTGCCCCAACTCCGGTATCCTGTGGTCTGAGGCC
ATCTTCCTCGAGGCAAGGCCCCAGAGGAGGACCAAGAGCGTGGATGCCCTGAAGAAGTGTGAGCATGACCCCAT
GTGCTCCTGGCCGTGGCCAAGCTGTTTTGGAGTCAGCGGAAGATCACCAAGGCCAGGGAGTGGTTCCACCGCACT
GTGAAGATTGACTCGGACCTGGGGGATGCCTGGGCCTTCTTCTACAAGTTTGAGCTGCAGCATGGCACTGAGGAG
CAGCAGGAGGAGGTGAGGAAGCGCTGTGAGAGTGCAGAGCCTCGGCATGGGGAGCTGTGGTGCGCCGTGTCCAAG
GACATCGCCAACCTGGCAGAAGAAGATCGGGGACATCCTTAGGCTGGTGGCCGGCCGCATCAAGAACACCTTCTGA
TTGAGCGGTTGCCATGGCCGGTCTCCGTGGGGCAGGGTTGGGCCGCATGTGGAAGGGCTCTGAGCTGTGTCTCTCC
TTCATTAAAAGTTTTTATGTCTCGTGTCAAAAAAAAAAAAAAAAAAAGAAAAAAAAA

6364/6881
FIGURE 5874

MNKKKKPFLGMPAPLGYVPWLGRGATGFTTTRSDIGPARDANDPVDDRHAPPGKRTVGDQMKNQAADDDDEDLND
TNYDEFNGYAGSLFSSGPYEKDDEEADAIYAALDKRMDERRKERREQREKEEIEKYRMERP KIQQQFSDLKRKLA
EVTEEEWLSIPEVGDARNKRQRNPRYEKLTVPDSFFAKHLQTGENHTSVDP RQTQFGGLNTPYPGGLNTPYRGG
MTPGLMTPGTGELDMRKIGQARNTLMDMRLSQVSDSVSGQTVVDPKGYLTDLNSMIPTHGGDINDIKKARLLLKS
VRETNPHHPPAWIASARLEEV TGKLQVARNLIMKGTEMCPKSE DVWLEAARLQPGDTAKAVVAQAVRHLPQSVRI
YIRAAELETDIRAKKRVLRKALEHVPNSVRLWKA AVELEEPEDARIMLSRAVECCPTSVELWLALARLETYENAR
KVLNKARENIP TDRHIWITA AKLEEANGNTQMVEKI IDRAITSLRANGVEINREQW IQDAEECDRAGSVATCQAV
MRAVIGIGIEEEDRKHTWMEDADSCVAHNALECARAIYAYALQVFPSKKS VWLRAAYFEKNHGTRESLEALLQRA
VAHCPKAEVLWLMGAKSKWLAGDVPAARSILALAFQANPNSEEIWLA AVKLESENDEYERARRLLAKARSSAPTA
RVFMKSVKLEWVQDNIRAAQDLCEEALRHYEDFPKLWMMKGQIEEQKEMMEKAREAYNQGLKKCPHSTPLWLLLS
RLEEKIGQLTRARAILEKSRLKNPNPGLWLESVRLEYRAGLKNIANTLMAKALQECPN SGILWSEAFLEARPQ
RRTKSVDALKKCEHDPHVLLAVAKLFWSQRKITKAREWFHRTVKIDSDLGDAWAFFYKFELQHGT EEQQEEVRKR
CESAEPRHGELWCAVSKDIANWQKKIGDILRLVAGRIKNTF

6365/6881
FIGURE 5875

AAGTCCCGGCCCTGGCTTTGGGGAAGTGCCGCCGAGGCGCCTGCGCACTGCGCCCCGCGCCCCCTCCCCGACT
GTCGGGCGCGACCTTGGAGCGCGCGGGCCGGCGGGCGCGAGTGGCTCGGGAGCGCGGCTGACCCCCAGGCTGT
GGTGAGGGTCTGAGAGCTGGTACCACGGAGCCTGGGCAACCTCCTCCGCCCACCCATGCCACCCCGCATGAGGC
TGAGAAGCAGATCACAGGGCCAGAGGAGGCGGACCGCCCCCTTCAATGTCCAGTCATGATACAGCCTCTCCAGC
GGCCCCCAGCCGCAACCCCTGCTGCCTGTGCTGGTGCTGCTGCTGTAGCTGCTCCTGGAACCAAGAGCGGCGGCG
CGCGTGGCAGGCCTCCCGGGAGAGCAAGCTGCAGCCCCCTCCCCAGCTGTGAAGTATGTGCCACGCCAAGTCCTGA
GGAGGTGCAGAGCTGGGCGCAGTCTTTTGACAAGCTGATGCACAGCCCAGCGGGACGCAGCGTGTTCGGGCGT
CCTGCGGACAGAGTACAGCGAGGAGAACATGCTCTTCTGGTTGGCCTGCGAGGAGCTGAAGGCCGAGGCCAACCA
GCATGTGGTAGACGAGAAGGCGAGGCTCATCTACGAGGACTACGTATCCATCCTGTCCCCCAAGGAGGTGAGCCT
GGACTCCCGTGTGCGGGAGGGCATCAACAAGAAGATGCAGGAGCCGTCCGCACACACGTTTCGACGACGCGCAGCT
GCAGATCTACACGCTCATGCACCGGGACTCCTACCCCCGCTTCCTCAGCTCTCCACCTACCGTGCCCTGCTGCT
GCAGGGGCCATCACAGTCCTCCTCCGAGGCCTAGGCCGCCCCCAGCAGCACAGACCCGCGCCTCCTACGGCCG
ACTCTGGGTTCCCTTCAGGTGTGTGTGTCGGCAGGGCTGTGAGGCGACATGCCTGGCCGGCTGGGGTCCCCACCC
GCGGAGACGGTCCTAGACCCAGTGGGGAGTGCTGTGTCTCCTGGGTCTGCCCACCCGTGGCCAAGCAGGAATCC
AGGTGCAGGGCGGGCCTCCAGGTGCAGGGCGGGCCAGAAGCCCCCTCATCGGCCCGCAGCTGGCTGGCCCAGTGC
TCCTGGCTGGGGGCTCTTGCGTGGTGAGAGTAGGGGTCCCCCAGGAGCCATGCTGGACCCATGAGCCTCGCTGG
GGCCTCCTCCCCAGGCAGCCAATGGGCCCCAGACAAGCCTTTGGTGGGGAACAGAACCTCCGCATCGTGTAGTTT
TGTGACATAAGGAGACCTCCTACTTGAGCTGTCTGTACCCCAGAAATCAAACACAGAACCTCAGAACCAGATTTAG
GACCTCAGAATCCTGCACTCAAGGTGGCAGGACCCAATTTCTGTTTTATATGTTTCATGAACTTTAAACCTGGAAA
CATGTCCTTACTAGGTGTTTTATCAAAAAAAGTTTTCATATTTATCTCTATCCCTAACCCCCAAAAATAGGAT
GTCTTATTATTGAAGATATTTTTAAAGC

6366/6881
FIGURE 5876

GGAAAACCGTGTACTATTAGCCATGGTCAACCCACCGTGTCTTCGACATTGCCGTCGACGGCGAGCCCTTGGG
CCGCGTCTCCTTTGAGCTGTTTGCAGACAAGGTCCCAAAGACAGCAGGCTTTCACAGAATTATTCCAGGGTTTAT
GTGTCAGGGTGGTGACTTCACACGCCATAATGGCACTGGTGGCAAGTCCATCTATGGGGAGAAATTTGAAGATGA
GAACTTCATCCTAAAGCATACAGGTCCTGGCATCTTGTCCATGGCAAATGCTGGACCCAACACAAATGGATCCCA
GTTTTTCATCTGCACTGCCAAGACTGAGTGGTTGGATGGCAAGCATGTGGTGTTTGGCAAAGTGAAAGAAGGCAT
GAATATTGTGGAGGCCATGGAGCGCTTTGGGTCCAGGAATGGCAAGACCAGCAAGAAGATCACCATTGCTGACTG
TGGACAACTCGAATAAGTTTGACTTGTGTTTTATCTTAACCACCAGGTCATTTCCTTCTGTAGCTCAGGAGAGCAC
CCCTCCACCCCATTTGCTCGCAGTATCCTAGAATCTTTGTGCTCTCGCTGCAGTTCCTTTGGGTTCCATGTTTT
CCTTGTTCCCTCCCATGCCTAGCTGGAT

6367/6881
FIGURE 5877

GCTCGATGGTCGAGGCCATCTCCTGGTCCGCCTGGCGGCCATCGTGGCTAAACAGAACAAGTTGAAGTACCTGGG
TTTCCTCCGCAAGCGGATGAACACCCACCTTTCCCGAGGTCCCTACCACTTCCGGGCCCCCAGCCGCATCTTCT
GGCGGACCGTGCGAGGTATGCCGCCCCACAAGACCAAGCGAGGCCAGGCTTCTCTGGACCGCCTCAAGGTGTTTG
ACCGCATCCCACCGCCCTACGACAAGAAAAAGCGGATGGTGTTCTGCTCCCTCAAGGTTGTGCGTCTGAAGCCT
ACAAGAAAGTTTGCTATCTGGGGCGCCTGGCTCACGAGGTTGGCTGGAAGTACCAGGCAGTGACAGCCACCCTG
GAGGAGAAGAGGAAAGAGAAAGCCAAGATCCACTACCGGAAGAAGAAACAGCTCATGAGGCTACGGAAACAGGCC
GAGAAGAACATGGAGAAGAAAAATTGACAAATACACAGAGGTCCTCAAGACCCACAGACTCCTGGTCTGAGCCCAA
TAAAGACTGTTAATTCCT

6368/6881
FIGURE 5878

GCATCCCACCGCCCTACGACAAGAAAAAGCGGATGGTGTTCCTGCTCCCTCAAGGTTGTGCGTCTGAAGCCTACA
AGAAAGTTTGCCTATCTGGGGCGCCTGGCTCACGAGGTTGGCTGGAAGTACCAGGCAGTGACAGCCACCCTGGAG
GAGAAGAGGAAAGAGAAAGCCAAGATCCACTACCGGAAGAAGAAACAGCTCATGAGGCTACGGAAACAGGCCGAG
AAGAACATGGAGAAGAAATGAGCCCAATAAAGACTGTTAATTCCTCATGCGTGGCCTGCCCTTCCTCCATCGTCG
CCCTGGAATGTACGGGACCCAGGGGCAGCAGCAGTCCAGGCGCCACAGGCAGCCTCGGACACAGGAAGCTGGGAG
CAAGGAAAGGGTCTTAGTCACTGCCTCCCGAAGTTGCTTGAAAGCACTCGGAGAAGTGTGCAGGTGTCATTTATC
TATGACCAATAGGAAGAGCAACCAGTTACTATTAGTGAAAGGGAGCCAGAAGACTGATTGGAGGGCCCTATCTTG
TGAGCGGGGCGTCTGTTGGACTTTCCACCTGGTCATATACTCTGCAGCTGTTAGAATGTGCAAGGACTTGGGGAC
AGTATGAGCTTGCTGTTGTACACAGGGTATTTCTAGAAGCAGAAATAGACTGGGAAGATGCACAACCAAGGGGTT
ACAGGCATCGCCCGTGCTCACCTGTATTTTGTAATCAGAAATAAATTGCTTTTAAAGAAAAAATAAAA

6369/6881
FIGURE 5879

ACGAGGGGAAGAAAGGAGTTGGGGCAAAACAGGAGGCGTTTCCCTACCCGCATACATCCCCGTCCCCGAGACACC
CAATCCCCCACCACCCAGCCTGCCCCGCGCTCCCGCCCCCAGCTCCTCGCCCTGGGGACAGCTGGCAGCCCCGCG
CGGACCAGACACAAAGCCGATCAATCCCGGAGGCGTGGGGGCGGAGGGACGACCCGCGGGGCTTTCCCGGGCGC
TGCTCTCCTCCTGCTGCCCCCTCGCTAGGACCCGGCGGACGCTCTGGTTTTACGCCCTCTAGCCCCTACC
CCCACACCCCCAAAACAGAACAGACCCCCATCCCTGGGCTGGAGGACCCGCCTCTTGGCAGCCAGCTGAGAAGGC
GCCCCGGGGAGGGGGAAACTGACATCCCATCTAGAGCCGTCCCTCCTCTTCCCTCCCCCTCCCGACTCTCTGCTCCT
TTCCCGCCCCAGAAGTTCAAGGGCCCCCGGCTCCTGCGCTCCTGCGCGGGGACCCTCGACCTCCTCAGAGCAG
CCGGCTGCCGCCCCGGGAAGATGCGGAGGAGCGGCCACCGCTCCTCCTGCTGCTGCTGCGCTACCTGGTGG
TCGCCCTGGGCTATCATAAGGCCTATGGGTTTTCTGCCCAAAAGACCAACAAGTAGTCACAGCAGTAGAGTACC
AAGAGGCTATTTTAGCCTGCAAAACCCCAAAGAAGACTGTTTCCCTCCAGATTAGAGTGGAAGAACTGGGTGCGA
GTGTCTCCTTTGTCTACTATCAACAGACTCTTCAAGGTGATTTTAAAAATCGAGCTGAGATGATAGATTTCAATA
TCCGGATCAAAAATGTGACAAGAAGTGATGCGGGGAAATATCGTTGTGAAGTTAGTGCCCCATCTGAGCAAGGCC
AAAACCTGGAAGAGGATACAGTCACTCTGGAAGTATTAGTGGCTCCAGCAGTTCCATCATGTGAAGTACCCTCTT
CTGCTCTGAGTGGAAGTGTGGTAGAGCTACGATGTCAAGACAAAGAAGGGAATCCAGCTCCTGAATACACATGGT
TTAAGGATGGCATCCGTTTGTCTAGAAAATCCAGACTTGGCTCCCAAAGCACCAACAGCTCATAACAATGAATA
CAAAAACCTGGAAGTCTGCAATTTAATACTGTTTCCAACTGGACACTGGAGAATATTCTGTGAAGCCCGCAATT
CTGTTGGATATCGCAGGTGTCCTGGGAAACGAATGCAAGTAGATGATCTCAACATAAGTGGCATCATAGCAGCCG
TAGTAGTTGTGGCCTTAGTGATTTCCGTTTGTGGCCTTGGTGTATGCTATGCTCAGAGGAAAGGCTACTTTTCAA
AAGAAACCTCCTTCCAGAAGAGTAATTCTTCATCTAAAGCCACGACAATGAGTGAAAATGATTTCAAGCACACAA
AATCCTTTATAATTAAAGACTCCACTTTAGAGATACACCAAAGCCACCGTTGTTACACAAGTTATTAAACTATT
ATAAACTCTGCTTTGTCCGACATTTGCAAAGAGGTACACGAGGAAATGGAATTGGTATTTTATTTTAAATTTCA
TGACTACTAACTCACCTGAAGTCTGCTATTTTAAACAAATAGTTCTGTCGACACCTAAAATATAATCTGGCTTCTT
GTGTCTGGACTAAGTTAAAAGAATTAAATACTTTGTAATGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6370/6881
FIGURE 5880

MARRSRHRLLLLLLLRYLVVALGYHKAYGFSAPKDQQVVTAVEYQEAILACKTPKKTVSSRLEWKKLGRSVSFVYY
QOTLQGDFKNRAEMIDFNIRIKNVTRSDAGKYRCEVSAPSEQGQNL EEDTVTLEVLVAPAVPSCEVPSSALSGTV
VELRCQDKEGNPAPEYTWFKDGIRLLENPRLGSQSTNSSYTMNTKTGTLQFNTVSKLDTGEYSCEARNSVGYRRC
PGKRMQVDDLNISGIIAAVVVVALVISVCGLGVCIYAQRKGYFSKETSFQKSNSSSKATTMSENFKHTKSFII

6371/6881
FIGURE 5881

AGTTTCCTCGGCAGCGGTAGGCGAGAGCACGCGGAGGAGCGTGCGCGGGGGCCCCGGGAGACGGCGGGCGGTGGCG
GCGCGGGCAGAGCAAGGACGCGGCGGATCCCACTCGCACAGCAGCGCACTCGGTGCCCCGCGCAGGGTCGCGATG

CTGCCCCGTTTGGCACTGCTCCTGCTGGCCGCCTGGACGGCTCGGGCGCTGGAGGTACCCACTGATGGTAATGCT
GGCCTGCTGGCTGAACCCAGATTGCCATGTTCTGTGGCAGACTGAACATGCACATGAATGTCCAGAATGGGAAG
TGGGATTCAGATCCATCAGGGACCAAAACCTGCATTGATACCAAGGAAGGCATCCTGCAGTATTGCCAAGAAGTC
TACCCTGAAGTGCAGATACCAATGTGGTAGAAGCCAACCAACCAGTGACCATCCAGAAGTGGTGCAAGCGGGGC
CGCAAGCAGTGCAAGACCCATCCCCACTTTGTGATTCCCTACCGCTGCTTAGTTGGTGAGTTTGTAAAGTGATGCC
CTTCTCGTTCTTGACAAGTGCAAATTCTTACACCAGGAGAGGATGGATGTTTGCGAAACTCATCTTCACTGGCAC
ACCGTCGCCAAAGAGACATGCAGTGAGAAGAGTACCAACTTGCATGACTACGGCATGTGTGCTGCCCTGCGGAATT
GACAAGTTCGAGGGGTAGAGTTTGTGTGTTGCCACTGGCTGAAGAAAGTGACAATGTGGATTCTGCTGATGCG
GAGGAGGATGACTCGGATGTCTGGTGGGGCGGAGCAGACACAGACTATGCAGATGGGAGTGAAGACAAAGTAGTA
GAAGTAGCAGAGGAGGAAGAAGTGGCTGAGGTGGAAGAAGAAGCCGATGATGACGAGGACGATGAGGATGGT
GATGAGGTAGAGGAAGAGGCTGAGGAACCCTACGAAGAAGCCACAGAGAGAACCACCAGCATTGCCACCACCACC
ACCACCACCACAGAGTCTGTGGAAGAGGTGGTTTCGAGAGGTGTGCTCTGAACAAGCCGAGACGGGGCCGTGCCGA
GCAATGATCTCCCGCTGGTACTTTGATGTGACTGAAGGGAAGTGTGCCCCATTCTTTTACGGCGGATGTGGCGGC
AACCAGGAACAACCTTTGACACAGAAGAGTACTGCATGGCCGTGTGTGGCAGCGCCATGTCCCAAAGTTTACTCAAG
ACTACCCAGGAACCTCTTGCCCGAGATCCTGTTAAACTTCTTACAACAGCAGCCAGTACCCCTGATGCCGTTGAC
AAGTATCTCGAGACACCTGGGGATGAGAATGAACATGCCCATTTCCAGAAAGCCAAAGAGAGGCTTGAGGCCAAG
CACCGAGAGAGAATGTCCAGGTCATGAGAGAATGGGAAGAGGCAGAACGTCAAGCAAAGAACTTGCCTAAAGCT
GATAAGAAGGCAGTTATCCAGCATTTCAGGAGAAAGTGAATCTTTGGAACAGGAAGCAGCCAACGAGAGACAG
CAGCTGGTGGAGACACACATGGCCAGAGTGAAGCCATGCTCAATGACCGCCGCCGCTGGCCCTGGAGAACTAC
ATCACCGCTCTGCAGGCTGTTCTCTCGGCCCTCGTCACGTGTTCAATATGCTAAAGAAAGTATGTCCGCGCAGAA
CAGAAGGACAGACAGCACACCCTAAAGCATTTCGAGCATGTGCGCATGGTGGATCCCAAGAAAGCCGCTCAGATC
CGGTCCCAGGTTATGACACACCTCCGTGTGATTTATGAGCGCATGAATCAGTCTCTCTCCCTGCTCTACAACGTG
CCTGCAGTGGCCGAGGAGATTGAGGATGAAGTTGATGAGCTGCTTCAGAAAGAGCAAACTATTGAGATGACGTC
TTGGCCAACATGATTAGTGAACCAAGGATCAGTTACGGAACGATGCTCTCATGCCATCTTTGACCGAAACGAAA
ACCACCGTGGAGCTCCTTCCCGTGAATGGAGAGTTCAGCCTGGACGATCTCCAGCCGTGGCATTCTTTTGGGGCT
GACTCTGTGCCAGCCAACACAGAAAACGAAGTTGAGCCTGTTGATGCCCCGCCCTGCTGCCGACCGAGGACTGACC
ACTCGACCAAGTTCTGGGTTGACAAATATCAAGACGGAGGAGATCTCTGAAGTGAAGATGGATGCAGAATTCGGA
CATGACTCAGGATATGAAGTTCATCATCAAAAATTGGTGTCTTTTGAGAAGATGTGGGTTCAAACAAAGGTGCA
ATCATTGGACTCATGGTGGGCGGTGTTGTATAGCGACAGTGATCGTCATCACCTTGGTGTGCTGAAGAAGAAA
CAGTACACATCCATTATCATGTTGTTGGAGGTTGACGCCGCTGTACCCAGAGGAGCGCCACCTGTCCAAG
ATGCAGCAGAACGGCTACGAAAATCCAACCTACAAGTCTTTGAGCAGATGCAGAACTAGACCCCCGCCACAGCA
GCCTCTGAAGTTGGACAGCAAAAACCATTGCTTCACTACCCATCGGTGTCCATTTATAGAATAATGTGGGAAGAAA
CAAACCCGTTTTATGATTTACTCATTATCGCCTTTTGACAGCTGTGCTGTAACACAAGTAGATGCCTGAACCTTGA
ATTAATCCACACATCAGTAATGTATTCTATCTCTCTTTACATTTTGGTCTCTATACTACATTATTAATGGGTTTT
GTGTACTGTAAAGAATTTAGCTGTATCAAACCTAGTGCATGAATAGATTCTCTCTCTGATTATTTATCACATAGCCC
CTTAGCCAGTTGTATATTATTCTTGTGGTTTGTGACCAATTAAGTCTTACTTTACATATGCTTTAAGAATCGAT
GGGGGATGCTTCATGTGAACGTGGGAGTTCAGCTGCTTCTCTTGCTAAGTATTCCTTTCTGATCACTATGCAT
TTTAAAGTTAAACATTTTTTAAGTATTTAGATGCTTTAGAGAGATTTTTTTTTCCATGACTGCATTTTACTGTACA
GATTGCTGCTTCTGCTATATTTGTGATATAGGAATTAAGAGGATACACACGTTTGTCTTCTCGTGCTGTTTTAT
GTGCACACATTAGGCATTGAGACTTCAAGCTTTTCTTTTTTTGTCCACGTATCTTTGGGTCTTTGATAAAGAAAA
GAATCCCTGTTTATTGTAAGCACTTTTACGGGGCGGGTGGGGAGGGGTGCTCTGCTGGTCTTCAATTACCAAGAA
TTCTCCAAAACAATTTTCTGCAGGATGATTGTACAGAATCATTGCTTATGACATGATCGCTTTTCTACACTGTATT
ACATAAATAAATAAATAAATAAACCCGGGCAAGACTTTTCTTTGAAGGATGACTACAGACATTAAATAATCGA
AGTAATTTTGGGTGGGGAGAAGAGGCAGATTCAATTTTCTTTAACCAGTCTGAAGTTTCATTTATGATACAAAAG
AAGATGAAAATGGAAGTGGCAATATAAGGGGATGAGGAAGGCATGCCTGGACAAACCTTCTTTTAAGATGTGTC
TTCAATTTGTATAAAATGGTGTTTTCATGTAAATAAATACATTCTTGGAGGAGC

6372/6881
FIGURE 5882

MLPGLALLLLAAWTARALEVPTDGNAGLLAEPQIAMFCGRNLNMHNVQNGKWDSDPSGKTCIDTKEGILQYCQE
VYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHW
HTVAKETCSEKSTNLHDYGMLLPCGIDKFRGVFVCCPLAEESDNVDSADAEEDDSVWWGGADTDYADGSEDKV
VEVAEEEEVAEVEEEEADDDDEDEDGDEVEEEAEPEYEEATERTTSIATTTTTTTTSESVEEVVREVCSEQAETGPC
RAMISRWFYFDVTEGKCAPFFYGGCGGNRRNNFDTEEYCMVCGSAMSQSLLKTTQEPLARDPVKLPPTAASTPDAV
DKYLETPGDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAANER
QQLVETHMARVEAMLNDRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQ
IRSQVMTHLRVIYERMNQSLSLLYNVPAAVEEIQDEVDELLQKEQNYSDDLANMISEPRI SYGNDALMP SLTET
KTTVELLPVNGEFLDDLQPWHSFGADSVFANTENEVEPVDARPAADRGLTTRPGSGLTNIKTEEI SEVKMDAEF
RHDSGYEVHHQKLFFAEDVGSNKGAIIGLMVGGVVIATVIVITLVMLKKKQYTSIHGVEVDAAVTPEERHLS
KMQQNGYENPTYKFFEQMQN

6373/6881
FIGURE 5883

GCATGCTTTTTTTTTTTTTCCGGTAGGTCGCCAGCTGAGGCGGTTTGTAAGTTTTGGGTCGCAGTATGCTAGAATT
TTGAGGCTCCCTTCTGATGAAAATTGAGCTGTCCATGCAGCCATGGAACCCGGGTTACAGCAGTGAGGGGGCCAC
GGCTCAAGAACTTACACATGTCCAAAAATGATTGAGATGGAGCAGGCGGAGGCCAGCTTGCTGAGTTAGACCT
GCTAGCCAGTATGTTCCCTGGTGAGAATGAGCTCATAGTGAATGACCAGCTGGCTGTAGCAGAACTGAAAGATTG
TATTGAAAAGAAGACAATGGAGGGGCGATCTTCAAAAAGTCTACTTTACTATCAATATGAACCTGGATGTATCTGA
CGAAAAATGGCGATGTTTTCTCTGGCCTGTATTCTTCCCTTTAAATACCCGGCAGTTCTGCCTGAAATTACTGT
CAGATCAGTATTATTGAGTAGATCCCAGCAGACTCAGCTGAACACAGATCTGACTGCATTCTGCAAAAACATTG
TCATGGAGATGTTTGTATACTGAATGCCACAGAGTGGGTTAGAGAACACGCCTCTGGCTATGTCAGCAGAGATAC
TTCATCTTCACCCACCACAGGAAGCACAGTCCAGTCAGTTGACCTCATCTTCACGAGACTCTGGATCTACAGCCA
TCATATCTATAACAAATGCAAAAGAAAGAATATTCTAGAGTGGGCAAAGGAGCTTTCCTGTCTGGGTTTAGCAT
GCCTGGAAAACCTGGTGTGTTTGTGTGGAAGGCCCAAAAGTGCCTGTGAAGAATTCTGGTCAAGACTCAGAAA
ATTAAACTGGAAGAGAATTTTAATTGCCATCGAGAAGACATTCCTTTTGATGGTACAAATGATGAAACGGAAAG
ACAAAGGAAATTTTCATTTTTGAAGAAAAAGTGTTCAGTGTTAATGGAGCCAGGGGAAACCACATGGACTTTGG
TCAGCTCTATCAGTTCTTAAACACCAAAGGATGTGGGGATGTTTTCCAGATGTTCTTTGGTGTAGAAGGACAATG
ACATCAAGAGTAGTTGAAAGTATCTTGCCACTGTTGGCCTTTTGATTTTTTTTTTCCCACTTTTTCTTGAAAGATT
AAGTAATTTTATTTTAGTTCCATTCTAGAATGTTGGGGAGTGGGGCACAAGAAAAAATAGTATAGCTGAAATGCA
TCTGTTAAAAATGTCATGATTGAAAGCAGAACTGAGTTTCAAATTACAACCTTAAATTTGTTGTTAGATATTTCT
TCACATATCAGCTGCCCATTTTGAAAAAGAAATTATCCATAAAGGTAATGTTGGTGCTCCAATTTGCCAGCCATT
CCCAACCCCTTCTCCCTTACCTGCCTTCACTAAAGAACCCAGAAAAGCTAATTGCTCCCCTTTAGCCTCTGTT
GCAACTAACAACCTCTCAGTGGCCTCAGGACACAGCTTTGGCCTTGGGAATTCTGGGAAAACCTTTACTTCCTGAT
TAAAGATACATATGCAGCTAGGCCACCTCCTCCCCCTTACTGCCATAAACACCAAAGTGATGACTGGAGCTGG
AGGAGTTATTTGAACCACGACGGAAGGGCCAAGAGAGCCACGAAGATGCCAGTTGCCACATTGTTGAGCTGCTGA
CCCAACACCAGCCATTGCCTGTCTCTAAACATCTTATGAAATAAAACCAGTTTTGTTTAAAAAAAAAAAAAAAAAA
AAAA

6374/6881
FIGURE 5884

MKIELSMQPWNPGYSSEGATAQETYTCPKMIEQAEQALAE DLLASMFPGENELIVNDQLAVAELKDCIEKKT
MEGRSSKVYFTINMNL DVSEKMAMFSLACILPFKYPAVLPEITVRSVLLSR SQQTQLNTDLTAFLQKHCHGDVC
ILNATEWVREHASGYVSRDTSSSPTTGSTVQSVDLIFTRLWIYSHHIYNKCKRKNILEWAKELSLSGFSMPGKPG
VVCVEGPQSACEEFWSRLRKLNWKRILIRHREDIPFDGTNDETERQRKFSIFEKVF SVNGARGNHMDFGQLYQF
LNTKGCGDVFQMFFGVEGQ

6375/6881
FIGURE 5885

CGCGTGAAGTGCCTTCCTGCAGGCTGGCCATGCGCGCTTCACGTTCCCAAGGCTCCGGGCTTTGCCCAGATGCTCAA
GGAGGGAGCGAAACACTTTTCAGGATTAGAAAGAGGCTGTGTATAGAAACATACAAGCTTGCAAGGAGCTTGCCCA
AACCCTCGTACAGCATATGGACCAAAAGGAATGAACAAAATGGTTATCAACCACCTGGAGAAAGTTGTTTGTGAC
AAACGATGCAGCAACTATTTTAAGAGAACTAGAAGTACAGCATCCTGCTGCAAAAATGATTGTAATGGCTTCTCA
TATGCAAGAGCAAGAAGTTGGAGATGGCACAAACTTTGTTCTGGTATTTGCTGGAGCTCTCCTGGAATTAGCTGA
AGAACTTCTGAGGATTGGCCTGTCTAGTTTCAGAGGTCATAGAAGGTTATGAAATAGCCTGCAGAAAAGCTCATGA
GATTCTTCCTAATTTGGTATGTTGTTCTGCAAAAAACCTTCGAGATATTGATGAAGTCTCATCTCTACTTCGTAC
CTCCATAATGAGTAAACAATATGGTAATGAAGTATTTCTGGCCAAGCTTATTGCTCAGGCATGCGTATCTATTTT
TCCTGATTCCGGCCATTTCAATGTTGATAACATCAGAGTTTGTAAAATTCTGGGCTCTGGTATCAGTTCTCTCTC
AGTATTGCATGGCATGGTTTTTTAAGAAGGAAACCGAAGGTGATGTAACATCTGTCAAAGATGCAAAAATAGCAGT
GTACTCTTGTCTTTTTGATGGCATGATAACAGAACTAAGGGAACAGTGTGATAAAGACTGCTGAAGAATTGAT
GAATTTTAGTAAGGGAGAAGAAAACCTCATGGATGCACAAGTCAAAGCTATTGCTGATACTGGTGCAAATGTCGT
AGTAACAGGTGGCAAAGTGGCAGACATGGCTCTTCATTATGCAAATAAATATAATATCATGTTAGTGAGGCTAAA
CTCAAAATGGGATCTCCGAAGACTTTGTAAAACGTTGGTGCTACAGCTCTTCCTAGATTGACACCTCCTGTCTC
TGAAGAAATGGGACACTGTGACAGTGTTCCTCTCAGAAGTTGGAGATACTCAGGTGGTGGTTTTTAAGCATGA
AAAGGAAGATGGCGCCATTTCTACCATAGTACTTCGAGGCTCTACAGACAATCTGATGGATGACATAGAAAGGGT
AGTAGACGATGGTGTAAATACTTTCAAAGTTCTTACAAGGGATAAACGTCTTGTAACCGGAGGTGGAGCAACAGA
AATTGAATTAGCCAAACAGATCACATCATATGGAGAGACATGTCCTGGACTTGAACAGTATGCTATTAAGAAGTT
TGCTGAGGCATTTGAAGCTATTCCCCGCGCACTGGCAGAAAACCTCTGGAGTTAAGGCCAATGAAGTAATCTCTAA
ACTTTATGCAGTACATCAAGAAGGAAATAAAAAACGTTGGATTAGATATTGAGGCTGAAGTCCCTGCTGTAAAGGA
CATGCTGGAAGCTGGTATTCTAGATACTTACCTGGGAAAATATTGGGCTATCAAACCTCGCTACTAATGCTGCAGT
CACTGTACTTAGAGTGGATCAGATCATCATGGCAAAACCAGCTGGTGGGCCCAAGCCTCCAAGTGGGAAGAAAGA
CTGGGATGATGACCAAAATGATTGAATTGGCTTAATTTTTACTGTAGGTGAAGGCTGTATTTGTAGTAGTACTC
AAGAATCACCTGATGTTTTCTTATTCTCCTTAAATTAAGAGTTATTTTGTGTTTGTATTCTTGGCTGGATGTTAT
AATAAACATATTGTTACTGTC

6376/6881
FIGURE 5886

MALHVPKAPGFAQMLKEGAKHFSGLEEAVYRNIQACKELAQTTRTAYGPKGMNKMVINHLEKLFVTNDAATILRE
LEVQHPPAAKMIVMASHMQEQEVGDGTNFFVLVFAGALLELAEEELLRIGLSVSEVIEGYEIACRKAHEILPNLVCCS
AKNLRDIDEVSSLLRTSISMSKQYGNEVFLAKLIAQACVSIFPDSGHFNVDNIRVCKILGSGISSSSVLHGMVFKK
ETEGDVTSVKDAKIAVYSCPFDMITETKGTVLIKTAEELMNFSKGEENLMDAQVKAIADTGANVVVTGGKVADM
ALHYANKYNIMLVRLNSKWDLRRLCKTVGATALPRLTPPVLEEMGHCDVYLSEVGDTQVVVFKEKEDGAISTI
VLRGSTDNLMDDIERVVDDGVNTFKVLTRDKRLVPGGGATEIELAKQITSYGETCPGLEQYAIKKFAEAFEAI
PRALAENSGVKANEVISKLYAVHQEGNKVGLDIEAEVPAVKDMLEAGILD TYLGKYWAIK LATNAAVTVLRVDQII
MAKPAGGPKPPSGKKDWDDQND

6377/6881
FIGURE 5887

CCCTGAGGCTTTTCGGAGCGAGCTCCTCAAATCGCATCCAGATTTTCGGGTCCGAGGGAAGGAGGACCCTGCGAA
AGCTGCGACGACTATCTTCCCCTGGGGCCATGGACTCGGACGCCAGCCTGGTGTCCAGCCGCCGTCGTGCGCCAG
AGCCCGATGACCTTTTCTGCCGGCCCGGAGTAAGGGCAGCAGCGGCAGCGCCTTCACTGGGGGCACCGTGTCTCT
CGTCCACCCCGAGTGACTGCCCGCCGGAGCTGAGCGCCGAGCTGCGCGGCGCTATGGGCTCTGCGGGCGCGCATC
CTGGGGACAAGCTAGGAGGCAGTGGCTTCAAGTCGTCTCTGTCCAGCACCTCGTCTGTCTACGTCTGCGCGGCTG
CGTCTGTCCACCAAGAAGGACAAGAAGCAAATGACAGAGCCGGAGCTGCAGCAGCTGCGTCTCAAGATCAACAGCC
GCGAGCGCAAGCGCATGCACGACCTCAACATCGCCATGGATGGCCTCCGCGAGGTTCATGCCGTACGCACACGGCC
CTTCGGTGGCAAGCTTTCCAAGATCGCCACGCTGCTGCTGGCGCGCAACTACATCCTCATGCTCACCAACTCGC
TGGAGGAGATGAAGCGACTGGTGAGCGAGATCTACGGGGGCCACCACGCTGGCTTCCACCCGTCGGCCTGCGGCG
GCCTGGCGCACTCCGCGCCCTGCCCGCCGCCACCGCGCACCCGGCAGCAGCAGCGCACGCCGCACATCACCCCG
CGGTGCACACCCCATCCTGCCGCCCGCCGCCGAGCGGCTGCTGCCGCCGCTGCAGCCGCGGCTGTGTCCAGCG
CCTCTCTGCCCGGATCCGGGCTGCCGTGGTTCGGCTCCATCCGTCCACCGCACGGCCTACTCAAGTCTCCGTCTG
CTGCCGCGGCCCGCCCGCTGGGGGGCGGGGGCGCGGCAGTGGGGCGAGCGGGGGCTTCCAGCACTGGGGCGGCA
TGCCCTGCCCCTGAGCATGTGCCAGGTGCCGCCGCCGCCACCACCACGTGTGCGCTATGGGCGCCGGCAGCCTGC
CGCGCCTCACTCCGACGCCAAGTGAAGCGACTGGCGCCGGCGCGTTCTGGCGACAGGGGAGCCAGGGGGCGCGG
GGAAGCGAGGACTGGCCTGCGCTGGGCTCGGGAGCTCTGTGCGAGGAGGGGCGCAGGACCATGGACTGGGGGTG
GGGCATGGTGGGGATTCCAGCATCTGCGAACCCAAGCAATGGGGGCGCCACAGAGCAGTGGGGAGTGAGGGGAT
GTTCTCTCCGGGACCTGATCGAGCGCTGTCTGGCTTTAACCTGAGCTGGTCCAGTAGACATCGTTTTATGAAAAG
GTACCGCTGTGTGCATTCTCTACTAGAACTCATCCGACCCCGACCACCACCTCCGGGAAAAGATTCTAAAAACT
TCTTTCCTGAGAGCGTGCCCTGACTTGACAGACTCGGCTTGGGCAGCACTTCGGGGGGGAGGGGGTGTATGGG
AGGGGGACACATTGGGGCCTTGCTCCTCTTCTCCTTTCTTGGCGGGTGGGAGACTCCGGGTAGCCGCACCTGCAG
AAGCAACAGCCCGACCGCGCCCTCCAGGGTCTGTCCTGGCCCAAGGCCAGGGGCCACAAGTTAGTTGGAAGCCGG
CGTTCGGTATCAGAAGCGCTGATGGTCATATCCAATCTCAATATCTGGGTCAATCCACACCCTCTTAGAACTGTG
GCCGTTCTCCTCCCTGTCTCTCGTTGATTTGGGAGAATATGGTTTTCTAATAAATCTGTGGATGTTCTTCTTCAAC
AGTATGAGCAAGTTTATAGACATTGAGAGTAGAACCACCTTGTGGATTGGAATAACCCAAAAGTCCGATTTTCAAG
GGCGGGTGCAATTGTAGTTATTATTTTAAATAGAACTACCCACCGACTCATCTTCTCTTAAGCACAAAG
TGATTTGGTTATTTTGGTACCTGAGAACGTAACAGAATTAAAAGGCAGTTGCTGTGGAACAGTTTGGGTTATTT
GGGGGTTCTGTTGGCTTTTTTAAATTTTCTTTTTTGGATGTGTAAATTTATCAATGATGAGGTAAGTGCGCAATG
CTAAGCTGTTTGCTCACGTGACTGCCAGCCCCATCGGAGTCTAAGCCGGCTTTCCTCTATTTTGGTTTATTTTG
CCACGTTTAAACACAAATGGTAACTCCTCCAGTGCTTCTGCGTTCCGTGCAAGCCGCCCTCGGCGCTGCCGTGC
TTGCAAACTGGGCTTTGTAGCGTCTGCCGTGTAACACCCTTCTCTGATCGCACCGCCCTCGCAGAGAGTGTAT
CATCTGTTTTATTTTGTAAAAACAAAGTGCTAAATAATATTTATTACTTGTTTGGTTGCAAAAACGGAATAAAT
GACTGAGTGTGAGATTTTAAATAAAATTTAAAGT

6378/6881
FIGURE 5888

MDSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSCPPELSAELRGAMGSAGAHFGDKLGGSGF
KSSSSSTSSSTSSAAASSTKKDKKQMTPELQQLRLKINSRERKRMHDLNIAMDGLREVMPYAHGPSVRKLSKIA
TLLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSAPLPAATAHPAAAAHAHHPAVHHPIILPPA
AAAAAAAAAAAAVSSASLPGSGLPSVGSIRPPHGLLKSPSAAAAAPLGGGGGGSGASGGFQHWGGMPCPCSMCQV
PPPHHVSAMGAGSLPRLTSDAK

6379/6881
FIGURE 5889

CCGGAAGCCGCCGCGGACAAGCTCTCCCGGGCGCGGGCGGGGGTTCGTGTGCTTGGAGGAAGCCGCGGAACCCCCA
GCGTCCGTCCATGGCGTGGAGCCTTGGGAGCTGGCTGGGTGGCTGCCTGCTGGTGTGAGCATTGGGAATGGTACC
ACCTCCCGAAAATGTCAGAATGAATTCTGTAAATTTCAAGAACATTCTACAGTGGGAGTCACCTGCTTTTGCCAA
AGGGAACCTGACTTTTACAGCTCAGTACCTAAGTTATAGGATATTCCAAGATAAATGCATGAATACTACCTTGAC
GGAATGTGATTTCTCAAGTCTTTCCAAGTATGGTGACCACACCTTGAGAGTCAGGGCTGAATTTGCAGATGAGCA
TTCAGACTGGGTAAACATCACCTTCTGTCTGTGGATGACACCATTATTGGACCCCTGGAATGCAAGTAGAAGT
ACTTGCTGATTCTTTACATATGCGTTTTCTTAGCCCCATAAAATTGAGAATGAATACGAAACTTGGACTATGAAGAA
TGTGTATAACTCATGGACTTATAATGTGCAATACTGGAAAAACGGTACTGATGAAAAGTTTCAAATTACTCCCCA
GTATGACTTTGAGGTCCCTCAGAAACCTGGAGCCATGGACAACCTATTGTGTTCAGTTTCGAGGGTTTTCTTCCTGA
TCGGAACAAAGCTGGGGAAATGGAGTGAGCCTGTCTGTGAGCAACAACCCATGACGAAACGGTCCCCTCCTGGAT
GGTGGCCGTCATCCTCATGGCCTCGGTCTTCATGGTCTGCCTGGCACTCCTCGGCTGCTTCGCCTTGCTGTGGTG
CGTTTACAAGAAGACAAAGTACGCCTTCTCCCCTAGGAATTCTCTTCCACAGCACCTGAAAGAGTTTTTGGGCCA
TCCTCATCATAACACACTTCTGTTTTTCTCCTTTCCATTGTCTGGATGAGAATGATGTTTTTGACAAGCTAAGTGT
CATTGCAGAAGACTCTGAGAGCGGCAAGCAGAATCCTGGTGACAGCTGCAGCCTCGGGACCCCGCCTGGGCAGGG
GCCCCAAAGCTAGGCTCTGAGAAGGAAACACACTCGGCTGGGCACAGTGACGTACTCCATCTCACATCTGCCTCA
GTGAGGGATCAGGGCAGCAACAAGGGCCAAGACCATCTGAGCCAGCCCCACATCTAGAACTCCCAGACCCTGGA
CTTAGCCACCAGAGAGCTACATTTTAAAGGCTGTCTTGGCAAAAATACTCCATTTGGGAACTCACTGCCTTATAA
AGGCTTTCATGATGTTTTTCAGAAAGTTGGCCACTGAGAGTGTAATTTTCAGCCTTTTATATCACTAAAATAAGATC
ATGTTTTAATTGTGAGAAACAGGGCCGAGCACAGTGGCTCACGCCTGTAATACCAGCACCTTAGAGGTCGAGGCA
GGCGGATCACTTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAATATGGTGAAACCCAGTCTCTACTAAAAATACA
AAAATTAGCTAGGCATGATGGCGCATGCCTATAATCCCAGCTACTCGAGTGCCTGAGGCAGGAGAATTGCATGAA
CCCCGGAGGAGGAGGAGGAGGTTGCAGTGAGCCGAGATAGCGGCACTGCACTCCAGCCTGGGTGACAAAGTGAGA
CTCCATCTCAAAAAAAAAAAAAAAAAAAAAATTGTGAGAAACAGAAATACTTAAATGAGGAATAAGAATGGAGATG
TTACATCTGGTAGATGTAACATTCTACCAGATTATGGATGGACTGATCTGAAAATCGACCTCAACTCAAGGGTGG
TCAGCTCAATGCTACACAGAGCACGGACTTTTGGATTCTTTGCAGTACTTTGAATTTATTTTTCTACCTATATAT
GTTTTATATGCTGCTGGTGCTCCATTAAAGTTTTACTCTGTGTTGC

6380/6881
FIGURE 5890

GAATCACACTCAGGCAGTCTCTCTCCTTTCTGAACAGAGATGAGCCCTAAGATACCTGGAAGATTTTGTTTTTTAA
CCTCACATTAAGGAAAGCACACATCACCTTGAAAGAGCTAAACTTGACGTCCTACAGAATTTCTCTAACTTAACA
TGTTGAGTCTCTGAGAGTGCAAACTTGAAACAAGAGAAAAGTGGCCTGCCTGGCATCCTCTGCTTATTGAATGGT
TTTATTTAATTCTCCTTTACATTGCCACCTTAACAATCCTTCCAGCTACGTATCTTAAAGGATGTGATGGAGAAG
TTATCAACTGGTGTTTTCAGACCTCAGTTGGATGAACCCATTCCACTGTATGAGGCAAAAGTTTCCATGGAAGCT
GTTCCAGAAAAATCAAGGAAGAAAAAAGGTAGTGCACATCAGCGCCCTGGATCGCATACTTTCCAGAAGCGTCGCT
GAACCTGGCGACTGGACTCTGGCCGAGGACCTGGCAGAAGCGCCAGGGCAGGGTCACCGCTGGGACAGTGGGCGT
TGACGGCCACCCGGGATCGCCGCTGCGGGCTGCGTCTCGCGGGCTGCCACTGCGCATGCTCCGCTCGGAACCGG
CGGGGGCGGAGGCGGGGCCGCGTGGGGGGCGGGAGCTCGGCGAGGCGCCACGTCAGGGGCGGGCCCGGCGCGCGC
GGGAAGTCTCTGTAGGGCGGCCGCTACCTCAGCCGCCGCGCGTCA TGCCCTTTTCGGTGCCCGGCTACTCACC
GGGTTTCCGAAAGCCGCCCGAGGTAGTGGGCTCCGACGGAAGGGCCCGAGCCGTGGAGCTGCCGCTCCCC
GCCCCGTGAGCTGACGGAGCCGGCGGCCCGCCGAGCCGCCCTGGTGGCGGGGCTGCCTCTTCGCCCTTTCCCTGC
TGCGGGGGGCGAGAGCGGTGGCAGCGCGCGGCCCGGCCGCTGCTCGGAGGAACCCCTTCGCCCGCTGGACAA
CCGACCGCGGGTGC CGCGGAGCCCCCGACGGGCCGGCCCGCGAGCAGCCGGAGGCCCCGGTCCCGTTTTTAGA
TTCTAATCAAGAAAATGATTTGCTATGGGAAGAGAAGTTTCCTGAAAGAACAACCTGTTACTGAATTACCTCAGAC
TTCACATGTATCATTCTCCGAGCCTGATATTCCGCTCTCAAAAAGTACTGAGTTACCTGTGGACTGGAGTATTAA
AACGCGACTCCTTTTACCTCTTCTCAACCCTTTACCTGGGCAGATCATTGAAAGCACAGGAAGAAGCTCAAGG
TCTTGTCAGCATTGTAGGGCAACAGAAGTTACTTTGCCTAAAAGTATACAGGATCCCAAACCTCTCCTCTGAGCT
CCGTTGTACCTTCCAGCAGAGCCTTATCTATTGGCTCCACCCTGCTTTGCTTGGCTACCCTGTTCCCTCGTAT
TGGAGCTGATAGAAAAATGGCTGGAAAGACAAGTCCTTGGTCAAATGATGCAACCCTGCAGCATGTTTTAATGAG
TGACTGGTCTGTGAGCTTTACTTCTCTATATAATTTGCTGAAAGACAAAACCTTTGCCCTATTTCTACGTTTGTAC
CTATCAGTTTACTGTCTGTTCGAGCAGCAGGATTAGCTGGAAGTGACTTAATCACAGCTCTCATATCTCCAAC
AACTCGAGGTTTAAAGAGAAGCTATGAGAAATGAAGGTATTGAATTTTCTCTGCCCTTTAATAAAAGAAAGTGGCCA
TAAGAAGGAGACAGCATCTGGAACAAGCTTGGGATATGGGGAGGAGCAAGCCATCAGTGATGAGGATGAAGAGGA
AAGTTTTTCTGGCTGGAAGAGATGGGTGTGCAAGATAAAATTA AAAAGCCAGACATACTTTCTATCAAGCTGCG
TAAAGAGAAACATGAAGTACAAATGGATCACAGACCTGAATCTGTTGTGTTGGTAAAAGGAATCAACACCTTTAC
ATTGCTCAATTTTTTGATTAACCTCTAAGAGTTTAGTTGCTACCTCAGGTCCACAGGCAGGACTTCTCCAACCCT
CTTGTCCTGTTGCTTTCCGAGGTGCCACAATGCAAATGCTTAAGGCACGGAGTGTGAATGTGAAGACACAAGC
TCTTCTGGATACAGAGACCAATTTAGTTTGGAGATTACAGGTCTATCATGCCTCATTCTCTGCATTCACTGAC
CATGCTGCTCAAATCTTCACAGAGTGGATCTTCTCTGCACTACTGTATCCACACGAGCCAACTGCTGTATTTAA
CATCTGCCCTGCAAATGGACAAAGTACTTGATATGGAGTTGTTTATAAGGAGCTTACTAACTGTGGTTTGCACCC
TAACACTCTGGAGCAACTTAGTCAAATACCGTTACTTGGGAAATCATCTTACGGAATGTGGTGTGAGAGACTA
CATTTATAATTGGAGATCCTGAACACCAAAGTAAGCCTAAAAGGAATCTTTGAGGAAAAAGCCTTCTAGCAAGG
AAATTCAAGATTCTTGAAGTTGAAGGAATATACTGAAATGTTTATAAACATAACTTTTACTACAGTAGCATCTAA
GGTTTTAAATGTGTTTTACTATTTTCAGATTAGATTTTAGATATAAAGATGAAAACTCAGATAACTCAAATGA
GATATCTATATCCCTACAACCTAATTGTATATTGAGCAGAACTGAATTAATATGCTTCCTTGCAAATGGGAAAT
CACATAGCAGTTACCCCATGGCATTGTGACTAATGGCATCAGGGCAAAAATATGTTACTTTACGATTTACCTGTT
AGCAGGTTCTTGTTTCATAAAGGTAGAAAATAAATACAGACAACATCTAAAAA

6381/6881
FIGURE 5891

MALSVPGYSPGFRKPPEVVRLRRKRARSRGAAASPPRELTEPAARRAALVAGLPLRPFPAAAGGRGGGSGGGPAAA
RRNPFARLDNRPRVAAEPPDGPAREQPEAPVPFLDSNQENDLLWEEKFPERTTVTELPQTSHVSFSEPDIPSSKS
TELPVDWSIKTRLLFTSSQPFTWADHLKAQEEAQGLVQHCRATEVTLPKSIQDPKLSSELRCTFQQSLIYWLHPA
LSWLPLFPRIGADRKMAGKTSPWSNDATLQHVLMSDWSVSFTSLYNLLKTKLCPYFYVCTYQFTVLFRAAGLAGS
DLITALISPTTRGLREAMRNEGIEFSLPLIKESGHKKETASGTS LGYGEEQAISDEDEEESFSWLEEMGVQDKIK
KPDILSIKLRKEKHEVQMDHRPESVVLVKGINFTLLNFLINSKSLVATSGPQAGLPPTLLSPVAFRGATMQMLK
ARSVNVKTQALSGYRDQFSLEITGPIMPHSLHSLTMLLKSSQSGSFSAVLYPHEPTAVFNICLQMDKVLDMEVVH
KELTNCGLHPNTLEQLSQIPLL GKSSLRNVVLRDYYNWR

6382/6881
FIGURE 5892

AAGCTTGGCACGAGGCCTACAACCGCCCGGGAGAAGATGGCTGCCCCAGCAGTGTCCGGGGCTCTCCCGGCAGGTG
CGATGCTTCAGTACCTCTGTGGTCAGACCATTTGCCAAGCTTGTGAGGCCTCCTGTTTCAGGTATACGGTATTGAA
GGTCGCTATGCCACAGCTCTTTATTCTGCTGCATCAAAACAGAATAAGCTGGAGCAAGTAGAAAAGGAGTTGTTG
AGAGTAGCACAAATCCTGAAGGAACCCAAAGTGGCTGCTTCTGTTTTGAATCCCTATGTGAAGCGTTCCATTAAA
GTGAAAAGCCTAAATGACATCACAGCAAAAGAGAGGTTCTCTCCCTCACTACCAACCTGATCAATTTGCTTGCT
GAAAATGGTCGATTAAGCAATACCCAAGGAGTCGTTTTCTGCCTTTTCTACCATGATGAGTGTCCATCGCGGAGAG
GTACCTTGACAGTGACCTCTGCATCTCCTTTAGAAGAAGCCACACTCTCTGAATTAAAACTGTCCTCAAGAGC
TTCCTAAGTCAAGGCCAAGTATTGAAATTGGAGGCTAAGACTGATCCGTCAATCTTGGGTGGAATGATTGTGCGC
ATTGGCGAGAAATATGTTGACATGTCTGTCAAGACCAAGATTGAGAAGCTGGGCAGGGCTATGCGGGAGATTGTC
TAAAAGTGTGGTTTTCTGCCATCAGTGAAAATTCTTAACTTGGAGCAACAATAAAAAGCTTCCAGAACAGATC
AAAAAAAAAAAAAAAAAAAAA

6383/6881
FIGURE 5893

MAAPAVSGLSRQVRCFSTSVVRPFAKLVRPPVQVYGIEGRYATALYSAASKQNKLEQVEKELLRVAQILKEPKVA
ASVLNPYVKRSIKVKSLNDITAKERFSPLTTNLIINLLAENGRLSNTQGVVSAFSTMMSVHRGEVPCTVTSASPLE
EATLSELKTVLKSFLSQGQVLKLEAKTDPSILGGMIVRIGEKYVDMSVKTQIKLGRAMREIV

6384/6881
FIGURE 5894

CAGACTCGAGCAGTCTCTGGAACACGCTGCGGGGCTCCCGGGCCTGAGCCAGGTCTGTTCTCCACGCAGGTGTTT
CGCGCGCCCCGTTTCAGCCATGTCGTCCGGCATCCATGTAGCGCTGGTGAAGGCAACAAGGGCATCGGCTTG
GCCATCGTGC GCGACCTGTGCCGGCTGTTCTCGGGGGACGTGGTGCTCACGGCGCGGGACGTGACGCGGGGCCAG
GCGGCCGTACAGCAGCTGCAGGCGGAGGGCCTGAGCCCGCGCTTCCACCAGCTGGACATCGACGATCTGCAGAGC
ATCCGCGCCCTGCGCGACTTCCTGCGCAAGGAGTACGGGGGCCTGGACGTGCTGGTCAACAACGCGGGCATCGCC
TTCAAGGTTGCTGATCCACACCCTTTTCATATTCAAGCTGAAGTGACGATGAAAACAAATTTCTTTGGTACCCGA
GATGTGTGCACAGAATTACTCCCTCTAATAAAACCCCAAGGGAGAGTGGTGAACGTATCTAGCATCATGAGCGTC
AGAGCCCTTAAAAGCTGCAGCCCAGAGCTGCAGCAGAAGTTCCGCAGTGAGACCATCACTGAGGAGGAGCTGGTG
GGGCTCATGAACAAGTTTGTGGAGGATACAAAGAAGGGAGTGACCAGAAGGAGGGCTGGCCCAGCAGCGCATA
GGGGTGACGAAGATTGGCGTCACCGTTCTGTCCAGGATCCACGCCAGGAACTGAGTGAGCAGAGGAAAGGGGAC
AAGATCCTCCTGAATGCCTGCTGCCAGGGTGGGTGAGAACTGACATGGCGGGACCCAAGGCCACCAAGAGCCCA
GAAGAAGGTGCAGAGACCCCTGTGTACTTGGCCCTTTTGCCCCAGATGCTGAGGGTCCCCATGGACAATTTGTT
TCAGAGAAGAGAGTTGAACAGTGGTTGACGCTGGGCTCACAGCTCCATCCATGGGCCCCATTTTGTACCTTGTCTG
AGTTGGTCCAAAGGGCATTTCATAATGTCATAAATATCCTTATATAAGAAAAAAATGATCTCTTATCAATTAGCA
CTCACTAATGTACTACTAATTGAGCAACCTACGCACCTCAGTTGACTACGTAAATCTGTCAGGTCTTTTGTGATTT
CCTCTGATGCAGGAGAGGAAAAATTGTAATTGATGAAAATAATGAATGAAAATCAACAGATGAATAAATGGTTCT
TTATAAGTG

6385/6881
FIGURE 5895

MSSGIHVALVTGGNKGIGLAIVRDLCLFSGDVVLTARDVTRGQAAVQQLQAEGLSPRFHQLDIDDLQSIRALRD
FLRKEYGGLDVLVNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRDVCTELLPLIKPQGRVVNVSSIMSVRAKSC
SPELQQKFRSETITEEELVGLMNKFVEDTKKGVHQEGWPSSAYGVTKIGVTVLSRIHARKLSEQRKGDKILLNA
CCPGWVRTDMAGPKATKSPEEGAETPVYLALLPPDAEGPHGQFVSEKRVEQW

6386/6881
FIGURE 5896A

CTGAAGTAGTTGCCAGTGATCTTGAAACGTGACAGTAACCAAGAGATAAATAGGTGACAATGACAGGAAAATTAG
ATGTAGTAAAAGAGAGTGTGTTGAGAGCAGAAGCTATGGCAACTAAAGACTGGATTGGAATCCTTCCTAGCTTGGT
GACATGAGCAAATTACTTGATTTAAGTGAGCATTTCCTCATCTGTACAGTGGAGATAACGATAATTGTGCCTGCT
AAGAAGAATTGCTGTGAAGATTAGTGAAATAATGCATGTAAAACATTTGGTACAGTATGTGACACATAGTACAAA
TAGTTTGCTAGGAAGATTGTTATTATTCTTCACCTTGATATTGTGAAGTTTTTCATACAGCAAATTGGACATCAT
GAGATGGATTGATTAAATAAATAGATTGAACTTCAAGGACTGGTAGTGTTCTTGCTTTGGAAAGAAGAACTTG
GTTTATCCTAATAATAGTAGGATAATAATGGTGAAGTGATAGGTACAAGTAATAGTGTGTTTATGATGCGCTGGTGA
TGATAGGAAAAAGAAAGCCATTATATGGGCAAGAGCTAGAAGTAATAAAATGGTGCAATTTTTCAGTGATGTTTGGC
CTATGTAGCTATTCTCTGATAACTATAAAAAATCCTTATTATTGAAGATTCTTCAGGAAAAAAAACCCCTTAGTCT
GAAACTTTAGCACCAATCCCCCTTGCCCCCATTGAAATACGTATTTTTTAAACATGGCTTTTGATAATGTGAGG
GTTTTTCTTTTTTGCGATTAGCAGTGCTGATTGTGTATTGCAGTAGTTGTGAGAGCATTAGAAGCAGCAGTCG
ATAGGAGGATGGAAGGTCTGGATGCCGCCTTGGGGAGTTAGGAGATTGGCAGACTTACCCTGTACCCTCTAGCC
CTACTCCTTTGCCCAAGACAGAAACACACTGAGATGGATAGGAGAATATGAGCAGTTGATAGGAAAGTTCTCAGT
GGAGTCAGGATTTAGGTTAGGCCAGGAGATTGAGAATATAACAGTTTGTGTATGATGAAATGGCATATTTTCACAG
AATGCAGTAAAAAGCAGGTAGGGTACAAGTGCAGCAACAGGAAGATGTCTTTTCTTCATTACAGCAAACACTTATTT
GAGAGCTTACCATGTGCTAGGCACATACAAAGATAAATAAGATGCCCTTGATGATCCTCTATTTAAAGGAGACAT
GTAAACAGGTTAACTTAGAGTAGAGATGGTGAATATGTGAACCTGAGGAAAGGAAGAAATAGATTAAATTATCTG
GAGAGAGAGGAAAAGTCAGCAGAATGGGGACGAGAATCTTTCGGAGCTCAGTGTTCTGATAGGAGTTATTTCTT
GGGCATAGGTTCCAAGTATTTTTCTAATATACCATAGAAGCCAGGAAAACCTTTCTTCTGTTATCTCAAATGATTT
AATTACTGACTTGAGTTTGTGTTGTCTCCTTAGACTTGTGCACCATGGACAATTTTGCTGAGGGAGATTTCACTG
TGGCGGATTATGCCTTGTTAGAAGATTGCCCTCACGTGGATGATTGTGTCTTTGCTGCTGAATTTATGAGCAATG
ATTATGTTTCGTGTGACTCAGCTTTACTGTGATGGGGTGGGTGTGCAATATAAAGATTATATCCAAAGTGAGAGGA
ATTTGGAATTTGACATCTGCAGTATATGGTGTAGTAAACCAATTTCTGTCTGCAAGATTATTGCGATGCCATTA
AAATAAACATCTTCTGGCCACTTCTGTTTCAACATCAAAACAGTTCCGTAATATCACGATTGCATCCCTGTGTGG
ACGCCAACAAATTCACGTGCTTCTGAGATAAATTTGAAGAACTACAACATCTTGAGTTGATGGAAGATATTGTGG
ATTTGGCAAAGAAAGTTGCTAATGATTCAATCCTTATTGGAGGCTTATTGAGAATTGGTTGTAAAATAGAAAATA
AAATCTTGGCAATGGAAGAAGCTCTGAATTGGATAAAATATGCAGGCGATGTAACAATTTCTAACTAAATTAGGAT
CAATTGACAATTGTTGGCCTATGTTAAGTATTTTCTTTACTGAATACAAGTACCACATAACTAAAATTGTAATGG
AAGACTGCAATTTGCTTGAAAGAACTTAAACTCAAAGTTGTATGGATTGTATAGAGGAAGGAGAACTAATGAAAA
TGAAAGGAAATGAAGAGTTTCCAAAGAAAGATTGATATAGCTATTATCTATTACACCAGAGCCATTGAATATA
GACCTGAAAACCTACCTTCTTTATGGTAACCGAGCTCTTTGTTTTCTTCGTACTGGACAGTTTAGAAATGCACTCG
GTGATGGAAAGAGAGCCACTATTCTGAAGAACCTTGGCCAAAGGGTCATTATCGTTATTGTGATGCTCTTTCTA
TGCTGGGGGAATATGACTGGGCCCTGCAAGCAAACATAAAAGCTCAAAAACCTCTGTAAAAATGACCCTGAGGGAA
TCAAGGATCTAATTCAGCAGCATGTAAAGTTACAAAACAAATAGAAGACCTACAAGGTGCAACAGCAAATAAGG
ATCCAATTAAGCCTTTTATGAAAACAGGGCCTACACACCTAGGAGTTTATCAGCACCTATATTTACTACTTCAC
TTAACTTTGTGGAGAAGGAAAGAGATTTTCAGAAAAATTAATCACGAAATGGCCAACGGTGGTAATCAGAATCTAA
AGGTGGCGGATGAGGCGTTGAAGGTAGATGATTGTGACTGTCATCCTGAATTTTACCACCATCAAGTCAGCCTC
CAAAACATAAAGGAAAACAAAAATCTCGAAACAATGAATCAGAAAAGTTTCAGTTCTAGTTTACCATTGACTTTAC
CAGCAGATTTGAAGAACATCTTGAGAAACAGTTTCTAAATCTTCAGAGCTGCACACCAGGATTTTGCTAATA
TAATGAAAATGCTGAGAAGCTTAATTCAAGATGGCTATATGGCCTTATTGGAGCAGCGTTGCCGCAGCGCTGCAC
AGGCCTTTACAGAGTTGCTGAACGGTTTAGATCCTCAAAAATAAAGCAATTGAACCTGGCCATGATTAACTATG
TTTTGGTTCGTCTATGGAATTTCTCTCCTTGGGAATAGGACAGCCTGAGGAATTATCTGAAGCCGAAAACC
AGTTTAAGAGGATTATTGAACACTACCCAGTGAGGGCCTTGATTGCTTGGCCTACTGTGGAATTGGAAGGTGT
ATTTGAAAAAAAACAGATTTCTAGAAGCTCTCAATCACTTTGAGAAAGCAAGAACCTTGATTTATCGTCTTCCTG
GAGTGTTAACTTGGCCACGAGTAATGTGATTATTGAAGAGTCTCAGCCACAAAAAATAAAGATGCTGTTAGAGA
AATTTGTTGAAGAATGCAAGTTCCCTCCAGTGCCAGATGCCATTTGTTGCTATCAGAAGTGCCATGGATATTCTA
AGATCCAGATATACATACTGATCCAGACTTTAAGGGTTTTATACGCATCAGCTGTTGCCAGTACTGTAAATAG
AATTTACATGAATTGCTGGAAGAAGTTAAAAACTACAACCTTTAATGATAAAATTGACAAGGATTTTCTACAAG

6387/6881
FIGURE 5896B

GAATATGTCTTACCCCTGACTGTGAAGGTGTCATTTCTAAGATTATCATCTTCAGCAGTGGTGGTGAAGTTAAAT
GTGAATTTGAACACAAGGTCATAAAAGAAAAGGTTCCCTCCAAGACCTATTCTGAAACAGAAATGTTCTAGCCTAG
AGAACTAAGACTGAAAGAAGACAAAAAATTGAAGAGAAAGATCCAAAAAAGAAGCAAAAAAGTTAGCACAAG
AAAGAATGGAGGAGGACTTAAGAGAAAGTAATCCACCCAAAAATGAAGAGCAGAAAGAACTGTAGACAATGTTT
AGCGTTGTCAGTTCCCTTGATGACAGAATTCTACAGTGTATAAAGCAGTATGCTGACAAGATTAAATCCGGCATA
AGAATACAGCCATGCTTCTCAAAGAATTGCTTTCTTGGAAGTTTTGAGCACAGAAGACTATACAACCTGTTTTT
CTAGCAGAAATTTTCTAAATGAAGCAGTGGACTATGTTATTGCGCACTTGATTCAAGAAAATAACAGAGTAAAGA
CAAGAATATTTCTGCATGTTTTGAGTGAGCTTAAAGAAGTGGAGCCCAAATTAGCCGCTGGATCCAAAACTTA
ATAGCTTTGGCTTAGATGCCACAGGAACCTTTCTTTTCTCGTTATGGAGCATCTCTTAAACTGCTTGATTTTAGTA
TCATGACTTTCCTCTGGAATGAGAAATATGGTCACAACTAGACTCTATAGAAGGAAAGCAACTTGATTATTTCT
CTGAGCCAGCATCATTGAAGGAAGCCCGTTGTTTAAATATGGCTGCTAGAAGAACACAGAGACAAGTTCCAGCAT
TGCATAGTGCTTTAGATGAATCTTTGATATAATGGACAGCCGCTGTACTGTGTTAAGGAAACAAGATAGTGGTG
AAGCACCGTTTAGTTCAACCAAGGTGAAAAACAAAGCAAGAAAAAGAAGCCAAAGGATTCAAAGCCTATGTTAG
TTGGGTCTGGAACAACTTCAGTAACCTCAAATAATGAGATCATCACTTCAAGTGAAGACCATAGCAATCGAAATT
CAGATTCTGCAGGCCCATTTGCAGTGCCTGACCATCTTCGGCAAGATGTAGAAGAATTCGAAGCTCTCTATGACC
AACACAGTAACGAATATGTTGTCCGCAATAAGAAGCTATGGGACATGAACCCAAAAACAAATGTTCAACTCTAT
ATGATTACTTCTCTCAGTTTTTGGAGGAACATGGTCCCTTGGACATGAGTAACAAGATGTTCTCTGCAGAATATG
AGTTTTTCCAGAGAAACTCGACAGATACTAGAAAAAGCAGGAGGTTTAAACCTTTTCTCTTGGGATGCCCTC
GTTTTGTGTGATTGACAACCTGTATTGCACCTGAAGAAGGTTGCATCACGGCTCAAGAAAAAAGGAAGAAGAAA
ACATTAAAAACAAAGTAGAAGAAATTTCAAAGCAGGGGAGTATGTACGAGTTAACTACAACCTGAATCCAGCTG
CTAGGGAATTTAAACCAGATGTAAAGTCTAAACCAGTGTGAGATTATCTTCAGCACCAGCTTTTGAAAATGTGA
AACCCAAACCTGTGTCTGCAATTTCTCCCAAGCCAGCTTGTGAAGATGTGAAGGCCAAACAGTATCCGACAATT
CTTCTAGACAAGTTTCTGAGGATGGGCAACCCAAAGGGTCTCTTCTAATTCTCCTAAACCAGGCTCTGAGGATG
CAAATTACAAGCGAGTCTCCTGTAATTCCTCCCAACCGGTTCTTGAGGATGTGAAACCAACTTATTGGGCTCAAT
CCCATTGGTTCACAGGATACTGTACGTATCTTCTTTCCAGAGATTTGATATCACCCAGACACCGCCAGCATACA
TAAACGTGTTACCAGTTTGGCCCAAGTACACAGCATATATACACCTTGGCCAGCCTTTCTCCTGAATATCAGC
TACCAAGATCAGTACCAGTGGTGCCGTCTTTTGTAGCCAATGACAGAGCAGATAAAAAATGCTGCTGCCTATTTTG
AGGGTCATCATTTGAATGCTGAGAATGTTGCTGGTCACCAGATTGCCTCTGAAACACAGATCCTTGAGGGCTCTT
TGGGAATATCTGTAAAGTCACACTGCAGCACAGGTGATGCTCATAACAGTCTGAGTGAGTCTAACAGAAATGATG
AGCACTGTGGAATTTCTAACACAAATGTGAAGTAATTCAGAAAGCACCAGTGCAGTAACAAACATTCCACACG
TGCAGATGGTTGCCATACAGGTATCTTGAACATAATACACCAAGAAGTCAATACTGAGCCATATAATCCTTTTG
AGGAACGACAAGGGGAAATTTACGGATTGAAAAGGAGCACCAAGTATTACAAGACCAACTTCAAGAAGTGTATG
AAAATTATGAGCAGATAAACTTAAGGGCTTAGAAGAGACCAGGGACCTGGAAGAGAGATTGAAAAGGCACCTTAG
AAGAAAAACAAGATCTCAAAGACGGAATTAGATTGGTTTCCTTCAAGATTTGGAAGAGAGAAATTAATAAATGGCAAC
AGGAAAAAAGAAATCCAAGAAAGACTAAATCACTGAAGAAGAAATTAATAAAGGTTTCAATGCCAGTGAAA
TGTATACCCAGAAAAATGATGGAAAGGAAAAGGAACATGAATTACATCTGGATCAGTCCCTTGAAATCAGCAACA
CACTTACAAATGAGAAAAATGAAAATAGAAGAGTATATAAAGAAAGGGAAAGAGGATTATGAAGAGAGTCATCAGA
GAGCTGTGGCTGCAGAGGTATCCGTACTTGAAAACCTGGAAGGAGAGTGAAGTGTATAAGCTACAGATCATGGAGT
CACAAGCAGAAGCCTTTCTGAAGAAGCTGGGGCTGATTAGCCGTGATCCTGCAGCATATCCTGACATGGAGTCTG
ATATACGTTTATGGGAATTGTTTCTTTCTAATGTTACAAAAGAAATTGAGAAAGCAAAGTCTCAGTTTGAAGAAC
AAATTAAGGCAATTAATAAATGGTTCTCGGCTCAGTGAACCTTTCTAAAGTGCAGATTTCTGAGCTTTCATTTCCTG
CCTGTAACACGGTTTATCCCGAGTTACTCCCTGAGTCTTCAGGCCACGATGGCCAAGGGCTTGTGACTTCTGCAA
GCGACGTGACTGGAACACACGAGCATTACAGGGATCCTAGTGTGTTCTCTGCTGGTGATTCCCCAGGGGAGG
CTCCTTCTGCGCTGTTGCCAGGGCCACCCCTGGTCAAGCCACTCAGCTGACAGGGCCAAACGGGGCTG
GCCAGGCAGCTCTGTGAGAACGAAGCCCTGTGGCTGATCGGAAGCAGCCTGTTTCTCCAGGACGTGCTGCGCGTT
CAAGCCAGTCTCCAAAAAGCCGTTCAATAGTATTATTGAGCACCTGTGAGTGGTATTCCCATGTTACAACAGCA
CTGAGCTTGCTGGTTTTATTAAAAAAGTGCGAAGCAAAAACAAGAACTCACTCTCAGGATTGAGTATTGATGAAA
TTGTCCAAGAGTGACAGAACACATTCTAGATGAACAGAAAAAGAAAAAGCCAAACCCAGGAAAGGACAAGAGGA

6388/6881
FIGURE 5896C

CTTATGAGCCCAGCTCTGCCACCCCGTGACCAGGTCTCTCCAGGGCTCACCCCTCGGTGGTTGTTGCACCATCAC
CCAAAACCAAGGGGCAGAAAGCAGAAGATGTCCCTGTGAGGATTGCACTGGGTGCAAGTTCCTGTGAAATATGCC
ACGAGGTGTTCAAATCAAAAAACGTGCGTGTGCTCAAATGTGGGCACAAGTATCACAAAGGGTGCTTTAAGCAGT
GGCTTAAAGGGCAGAGCGCTTGCCCGGCCTGCCAGGGTCGTGATCTCCTGACAGAAGAGTCACCTTCTGGAAGAG
GCTGGCCAGTCAGAATCAGGAGCTGCCTTCTGCTCTTCTAGGTAGTCACACTTCACTAAAGTGTATCCACCA
GTGTGTTGAATCCGAAGAATGACAATTTTCTACCACTGGTGTAAAAAACAAACATTTGAAGACCCTTGTGCATTG
TGTGTCACAAAGCTAAATACATGGAAATCGTTAATATCGCTGATATTAAGTAATTTCCCCACTCTGAGTGAATAC
TTTGATGATTGCCAACAGTGGCTAATAAAATGACGGCTACCACACTCATGGGTCACTGGGGCTGCGCAGGGCTCT
TTGAGGTGGGTGGCTTCTTTTGAAAGTACTATGAACGTCTCGAAGCAGTATTCTAGTGATAAGAATTCTTAACA
TAGCCAAGCGCCCCACGTTTGTTCACGTTTGTTCCTTTTCTGTTTGAAAAACCTGTTCTGGTAGCTCCAC
AAGAGAGATGATACTGACTTTTTAAATTTTTTACAAGAGTCTGTATTCTTGATATGCCTATATTTTTCTCAAAG
ATTCTGCATTTTAAGGATGGGCATAAGCAAACCTATATTTTAATAATTTATAGTTAATGTTAAAAATATTGGCTGAT
TTAGACCAAAAAGATTCAAATCTCTCTTTGTGAAATCCCATCTGCATTTGATTTTTTATTATTTTATGTTCCCC
GTTAGATTGTTTTAAGTGTTTGCTTTTCATCTTTTATAGATGTAATCTGATTTTCAAAAATCATTAAACACTTTTT
AATTAGTATCGACTAAGACTTTTTCCCCCTGGAATCGAGGCTGTGTGTCCGTCATCCCAGCCCCCGGTTGGAGCC
TGCTCTTTGAACTCCGCTGCCTTCCTTAGCAGCTTCTGTCTCTTCTGTGAGTCAGTCAGCGAGTGCTTGGGATC
CGCATCCAGCCGTGCTGAGCACACAACAGGCTGTGTGTGAAATGGCCACCACCATTCCTCTCCCCACCCACC
ACAAAAAGAGAAGCTGTGTCTTTAGACAACCTGAGGTATCTGTGTTACAATCGTTCTGTGTTTGATATTTGTGT
AAAGTATGCATGCAGTCTTGTACTGTGACCTAAGAACAAAACCTGTAAGTGCATTAGAAACCATGAAAAATTAGA
TATTGTTTTGTGACTTTTAGACAGTGGTAAATATAGAACCATGAATTCCTGGTCACATTCCATTTCTCTCCAACAT
GAAGGATCAAAAAATGTTTTCAATGTGTTCTTTGTTCCTGGAACCTTAGAGTCATGAGTTTATGAGCTGATT
TGGTCACCTTCCTCTGCCTTTGTTCCTGTGAGTTCTGATGTCTTAGTGACTTAGTTCTTAGAAGCTCACGCCTT
AGTTTGAAACAGATTCTCCACGGTGGTCCCCAAAACACTGTCTGCATATCCATAAGAATTGAGCGCTATGGGTGT
TAACGTGCATGAGGATCAGTTTGCAGCAGCAAGTACAAAAGGAGAAGAGGAACATCCGTTGAATGAGTGTGTTTT
GTACATAACTTCAGATACTTGTGAACATGCCTTATATTTGTCCAACAACCTGTCAGAATAAAGAACATTCTAAAT
GAG

6389/6881
FIGURE 5897

MDNFAEGDFTVADYALLEDCPHVDDCVFAAEFMSNDYVRVTQLYCDGVGVQYKDYIQSERNLEFDICSIWCSKPI
SVLQDYCDAIKINIFWPLLQHQNSSVISRLHPCVDANNSRASEINLKKLQHLELMEDIVDLAKKVANDSFLIGG
LLRIGCKIENKILAMEEALNWIYAGDVTILTKLGSIDNCWPMLSIFFTEYKYHITKIVMEDCNLLEELKTQSCM
DCIEEGELMKMKGNEEFSKERFDIAIIYYTRAIEYRPENYLLYGNRALCFLRTGQFRNALGDGKRATILKNTWPK
GHYRYCDALSMLGEYDWALQANIKAQKLCNDPEGIKDLIQQHVKLQKQIEDLQGRANKDPIKAFYENRAYTPR
SLSAPIFTTSLNFVEKERDFRKINHEMANGGNQNLKVADEALKVDDCDCHPEFSPPSSQPPKHGKQKSRNNESE
KFSSSSPLTLPADLKNILEKQFSKSSRAAHQDFANIMKMLRSLIQDGYMALLEQRCRSAAQAFTELLNGLDPQKI
KQLNLAMINYVLVYGLAISLLGIGQPEELSEAENQFKRIIEHYPSEGLDCLAYCGIGKVYLKKNRFLEALNHFE
KARTLIYRLPGVLTWPTSNVIEESQPKIKMLLEKFVEECKFPVPDAICCYQKCHGYSKIQIYITDPDFKGF I
RISCCQYCKIEFHMNCWKKLKTTFNDKIDKDFLQGICLTPDCEGVISKIIFSSGGEVKCEFEHKVIEKVPFR
PILKQKCSSLEKLRLKEDKKLKRKIQKKEAKKLAQERMEEDLRESNPPKNEEQKETVDNVQRCQFLDDRILQCIK
QYADKIKSGIQNTAMLLKELLSWKVLSTEDYTTCFSSRNFLNEAVDYVIRHLIQENNRVKTRIFLHVLSELKEVE
PKLAAWIQKLN SFGLDATGTFFSRYGASLKLDFSIMTFLWNEKYGHKLD SIEGKQLDYFSEPASLKEARCLIWL
LEEHRDKFPALHSALDEFFDIMDSRCTVLRKQDSGEAPFSSTKVKNKSKKKKPKDSKPMVLVSGTTSVTSNNEII
TSSDHNSNRNSDSAGPFAVPDHLRQDVVEEFALYDQHSNEYVVRNKKLWDMNPKQKCSTLYDYFSQFLEEHPGLD
MSNKMFSAEYEFFPEETRQILEKAGGLKPFLLGCPRFVVIDNCIALKKVASRLKKKRKKKNIKTKVEEISKAGEY
VRVKLQLNPAAREFKPDVKSKPVSDSSAPAFENVKPKPVSANSPKACEDVKAKPVSDNSSRQVSEDGQPKGVS
SNSPKPGSEDANYKRVSCNSPKPVLEDVKPTYWAQSHLVTGYCTYLPFQRFDITQTPPAYINVLPGLPQYTSIYT
PLASLSPEYQLPRSVPVVPSFVANDRADKNAAAYFEGHHLNAENVAGHQIASETQILEGSLGISVKSHCSTGDAH
TVLSESNRNDEHCGNSNNKCEVIPESTSAVTNIPHVQMVAIQVSWNIHQEVNTEPYNPFEEHQGEISRIEKEHQ
VLQDQLQEVYENYEQIKLKGLEETRDLEEKLRHLEENKISKTELDWFLQDLEREIKKWQOEKKEIQERLKS LKK
KIKKVSNASEMYTQKNDGKEKEHELHLDQSLEISNTLTNEKMKIEEYIKKGKEDYEESHQRAVAAEVSVLENWKE
SEVYKLQIMESQAEAFLLKGLISRDPAAYPDMESDIRSWELFLSNVTKEIEKAKSQFEEQIKAIKNGSRLSELS
KVQISELSFPACNTVHPELLPESSGHDGQGLVTSASDVTGNHAALHRDPSVF SAGDSPGEAPSALLPGPPPGQPE
ATQLTGPKRAGQAALSERSPVADRKQPVPPGRAARSSQSPKKPFNSIEHLSVVFPCYNSTELAGFIKKVRSKNK
NSLSGLSIDEIVQRVTEHILDEQKKKKPNPGDKRITYEPSSATPVTRSSQGSPSVVVAPSPKTKGQKAEDVPVRI
ALGASSCEICHEVFKSKNVRVLKCGHKYHKGCFKQWLKGQSACPACQGRDLLTEESPSGRGWPSQNOELPSCSSR

6390/6881
FIGURE 5898

CTCGCGCAAGCGGCGTGCGGTCCCGCGGCGCTGCAGTTGTGTCCAGCCGGTCACGGGGCGGCTATGGCGGCCACG
TTCTTCGGAGAGGTGGTGAAGGCGCCGTGCCGAGCTGGGACTGAGGACGAAGAGGAGGAGGAGGGGCGGAGG
GAGACGCCCCGAGGACAGGGAGGTGCGTCTGCAGCTGGCGCGGAAGAGGGAAGTGCGGCTCCTTCGAAGACAAACA
AAAACATCTTTGGAAGTTTCTTTGCTAGAAAAATATCCGTGCTCCAAGTTTATAATTGCTATAGGAAATAATGCA
GTAGCATTTCTGTCAATCATTTGTTATGAATTCAGGAGTCTGGGAGGAAGTTGGTTGTGCCAAACTCTGGAATGAA
TGGTGTAGAACAACAGACACTACACATCTGTCCTCCACAGAGGCTTTTTGTGTGTTTTATCATCTAAAATCCAAT
CCCTCGGTTTTTCTCTGTCAGTGCAGTTGCTATGTTGCAGAAGATCAACAGTATCAGTGGCTGGAAAAGGTTTTT
GGCTCTTGTCCAAGGAAGAACATGCAGATAACTATTCTCACATGTCGACATGTTACCGATTATAAAACCTCAGAA
TCCACCGGCAGCCTTCCTTCTCCTTTCTGAGAGCCCTAAAAACACAGAATTTCAAAGACTCGGCGTGTTGTCCA
TTGCTAGAACAAACCGAATATAGTACACGACCTTCCTGCAGCAGTTCTAAGCTACTGTCAAGTATGGAAAATCCCA
GCAATTCTGTACTTGTGTTATACTGATGTGATGAAATTAGACCTAATCACAGTGGAAAGCTTTTAAGCCTATACTT
TCTACCAGAAGCTTGAAGGGTTTGGTTAAGAATATTCCCCAAAGCACTGAGATACTAAAGAAATTGATGACAACA
AATGAGATTCAGAGTAACATTTATACATGATCTTAAACATTGTTTTGTAGTGTATATTACTTGTCCATTCCTTTA
AGGGGAGCAGCCTGCACTCTTTTGTAGATTACTTTTGGGGGATATATTTTGAGAATGATGAAACGGAATAAAATT
GTAAAAAACTAAAAAAAAAAAAAAAAAAAAA

6391/6881
FIGURE 5899

MAATFFGEVVKAPCRAGTEDEEEEEEGRRETPEDREVRQLARKREVRLLRRQTKTSLEVSLLLEKYPCSKFIIAI
GNNAVAFLSSEVMNSGVWEEVGCAKLWNEWCRITDTHLSSTEAFVCFYHLKSNPSVFLCQCSCYVAEDQQYQWL
EKVFGSCPRKNMQITILTCRHVTDYKTSESTGSLPSPFLRALKTQNFKDSACCPLEQPNIVHDLPAAVLSYCQV
WKIPAILYLCYTDVMKLDLITVEAFKPILSTRSLKGLVKNIPOSTEILKKLMTTNEIQSNIYT

6392/6881
FIGURE 5900

CGCGGCGGCTGGCGTCGGGAAAGTACAGTAAAAAGTCCGAGTGCAGCCGCCGGGCGCAGGATCGGGATCCGGCTCC
TCCAGCTACCGGCCCCAAGGCCATCTACCTGGACATCGATGGACGCATTGAGAAGGTAATCTTCAGCAAGTACTGC
AACTCCAGCGACATCATGGACCTGTTCTGCATCGCCACCGGCCTGCCTCGGAACACGACCATCTCCCTGCTGACC
ACCGACGACGCCATGGTCTCCATCGACCCACCATGCCCGCGAATTGAGAACGCACTCCGTACAAAGTGAGACCT
GTGGCCATCAAGCAACTCTCCGCTGGTGTGAGGACAAGAGAACCACAAGCCGTGGCCAGTCTGCTGAGAGACCA
CTGAGGGACAGACGGGTTGTGGGCCTGGAGCAGCCCCGGAGGGAAGGAGCATTGAAAGTGGACAGGTAGAGCCC
AGGCCCAGAGAGCCCCAGGGCTGCTACCAGGAAGGCCAGCGCATCCCTCCAGAGAGAGAAGAATTAATCCAGAGC
GTGCTGGCGCAGGTTGCAGAGCAGTTCTCAAGAGCATTCAAAATCAATGAACTGAAAGCTGAAAGTTGCAAATCAC
TTGGCTGTCTAGAGAAACGCGTGGAATTGGAAGGACTAAAAGTGGTGGAGATTGAGAAATGCAAGAGTGACATT
AAGAAGATGAGGGAGGAGCTGGCGGCCAGAAGCAGCAGGACCAACTGCCCTGTAAGTACAGTTTTTTGGATAAC
CACAAGAAGTTGACTCCTCGACGCGATGTTCCCACTTACCCCAAGTACCTGCTCTCTCCAGAGACCATCGAGGCC
CTGCGGAAGCCGACCTTTGACGTCTGGCTTTGGGAGCCCCAATGAGATGCTGAGCTGCCTGGAGCACATGTACCAC
GACCTCGGGCTGGTCAGGGACTTCAGCATCAACCCTGTCACCTCAGGAGGTGGCTGTTCTGTGTCCACGACAAC
TACAGAAACAACCCCTTCCACAACCTCCGGCACTGCTTCTGCGTGGCCCAGATGATGTACAGCATGGTCTGGCTC
TGCAGTCTCCAGGAGAAGTTCTCACAAACGGATATCCTGATCCTAATGACAGCGGCCATCTGCCACGATCTGGAC
CATCCCGGCTACAACAACACGTACCAGATCAATGCCCCGACAGAGCTGGCGGTCCGCTACAATGACATCTCACCG
CTGGAGAACCACCACTGCGCCGTGGCCTTCCAGATCCTCGCCGAGCCTGAGTGCAACATCTTCTCCAACATCCCA
CCTGATGGGTTCAAGCAGATCCGACAGGGAATGATCACATTAATCTTGGCCACTGACATGGCAAGACATGCAGAA
ATTATGGATTCTTTCAAAGAGAAAATGGAGAATTTTACTACAGCAACGAGGAGCACATGACCCTGCTGAAGATG
ATTTTGATAAAATGCTGTGATATCTCTAACGAGGTCCGTCCAATGGAAGTCGCAGAGCCTTGGGTGGACTGTTTA
TTAGAGGAATATTTTATGCAGAGCGACCGTGAGAAGTCAGAAGGCCTTCCTGTGGCACCCTTCATGGACCGAGAC
AAAGTGACCAAGGCCACAGCCAGATTGGGTTTCATCAAGTTTGTCTGATCCCAATGTTTGAACAGTGACCAAG
CTCTTCCCCATGGTTGAGGAGATCATGCTGCAGCCACTTTGGGAATCCCGAGATCGCTACGAGGAGCTGAAGCGG
ATAGATGACGCCATGAAAGAGTTACAGAAGAAGACTGACAGCTTGACGTCTGGGGCCACCGAGAAGTCCAGAGAG
AGAAGCAGAGATGTGAAAAACAGTGAAGGAGACTGTGCCCTGAGGAAAAGCGGGGGCGTGGCTGCAGTTCTGGACG
GGCTGGCCGAGCTGCGCGGGATCCTTGTGCAGGGAAGAGCTGCCCTGGGCACCTGGCACCACAAGACCATGTTTT
CTAAGAACCATTTTGTTCCTGATACAAAAAAAAAAAAAAAAA

6393/6881
FIGURE 5901

MSGSSSYRPKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRNTTISLLTTDDAMVSIDPTMPANSERTP
YKVRPVAIKQLSAGVEDKRITTSRGQSAERPLRDRRVGLEQPRREGAFESGQVEPRPREPQGCYQEGQRIPPERE
ELIQSVLAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKKMREELAARSSRTNCPCKY
SFLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLRRLWF
CVHDNYRNNPFHNRHCF CVAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDPGYNNTYQINARTELAVRY
NDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFKEKMFNFYSNEEHM
TLLKMILIKCCDISNEVRPMEVAEPWVDCLEEFYMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKFLIPMF
ETVTKLFPMVEEIMLQPLWESRDYEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNSEGDCA

6394/6881
FIGURE 5902

CCACGAGACATTGGCCGGCGCCGGCCTCCGCCCCCGCCTCTCCGCCAATCACCGCCCGCCTGCTCCCCCTCGCCGT
GGGTCCCCGCGAGGCCGCCACCCCGGGGTGCGCGTCTCCGCCTCGCCGCGAGTCGGGGCAGCCGCTCGCCCCCTCTT
TTCCATGTATCCGTCCAGGATCCCATGACAGATTCTGTTGTCACGTCTCCTTACAGAGTTTGAGCGGTGCTGAAC
TGTCAGCACCATCTGTCCGGTCCCAGCATGCCTTCTGAGACCCCCCAGGCAGAAGTGGGGCCACAGGCTGCCCC
CACCGCTCAGGGCCACACTCGGCGAAGGGGAGCCTGGAGAAGGGGTCCCCAGAGGATAAGGAAGCCAAGGAGCCC
CTGTGGATCCGGCCCCGATGCTCCGAGCAGGTGCACCTGGCAGCTGGGCCGGCCTGCCTCCGAGTCCCCACATCAC
CACACTGCCCCGGCAAATCTCCAAAAATCTTGCCAGATATTCTGAAGAAAATCGGGGACACCCCTATGGTCAGA
ATCAACAAGATTGGGAAGAAGTTCGGCCTGAAGTGTGAGCTCTTGGCCAAGTGTGAGTTCTTCAACGCGGGCGGG
AGCGTGAAGGACCGCATCAGCCTGCGGATGATTGAGGATGCTGAGCGCGACGGGACGCTGAAGCCCGGGGACACG
ATTATCGAGCCGACATCCGGGAACACCGGGATCGGGCTGGCCCTGGCTGCGGCAGTGAGGGGCTATCGCTGCATC
ATCGTGATGCCAGAGAAGATGAGCTCCGAGAAGGTGGACGTGCTGCGGGCACTGGGGGCTGAGATTGTGAGGACG
CCCACCAATGCCAGGTTGCACTCCCCGGAGTCACACGTGGGGGTGGCCTGGCGGCTGAAGAACGAAATCCCCAAT
TCTCACATCCTAGACCAGTACCGCAACGCCAGCAACCCCTGGCTCACTACGACACCACCGCTGATGAGATCCTG
CAGCAGTGTGATGGGAAGCTGGACATGCTGGTGGCTTCAGTGGGCACGGGCGGCACCATCACGGGCATTGCCAGG
AAGCTGAAGGAGAAGTGTCTGGATGCAGGATCATTGGGGTGGATCCCGAAGGGTCCATCCTCGCAGAGCCGGAG
GAGCTGAACCAGACGGAGCAGACAACCTACGAGGTGGAAGGGATCGGCTACGACTTCATCCCCACGGTGCTGGAC
AGGACGGTGGTGGACAAGTGGTTCAAGAGCAACGATGAGGAGGCGTTCACCTTTGCCCCGATGCTGATCGCGCAA
GAGGGGCTGCTGTGCGGTGGCAGTGCTGGCAGCACGGTGGCGGTGGCCGTGAAGGCCGCGCAGGAGCTGCAGGAG
GGCCAGCGCTGCGTGGTCATTCTGCCCCGACTCAGTGCAGGAACCTACATGACCAAGTTCTGAGCGACAGGTGGATG
CTGCAGAAGGGCTTTCTGAAGGAGGAGGACCTCACGGAGAAGAAGCCCTGGTGGTGGCACCTCCGTGTTTCAGGAG
CTGGGCCTGTCAGCCCCGCTGACCGTGCTCCCGACCATCACCTGTGGGCACACCATCGAGATCCTCCGGGAGAAG
GGCTTCGACCAGGCGCCCGTGGTGGATGAGGCGGGGGTAATCCTGGGAATGGTGACGCTTGGGAACATGCTCTCG
TCCCTGCTTGCCGGGAAGGTGCAGCCGTGACACCAAGTTGGCAAAGTCATCTACAAGCAGTTCAAACAGATCCGC
CTCACGGACACGCTGGGCAGGCTCTCGCACATCCTGGAGATGGACCACTTCGCCCTGGTGGTGCACGAGCAGATC
CAGTACCACAGCACCGGGAAGTCCAGTCAGCGGCAGATGGTGTTCGGGGTGGTCACCGCCATTGACTTGCTGAAC
TTCGTGGCCGCCAGGAGCGGGACCAGAAGTGAAGTCCGGAGCGCTGGGCGGATGTTTCACCAAGGAAATATTGA
GAGAGAAGTCGGCCAGGTAGGATGAACACAGGCAATGACTGCGCAGAGTGGATTAAAGGCAAAAGAGAGAAGAGT
CCAGGAAGGGGCGGGGAGAAGCCTGGGTGGCTCAGCATCCTCCACGGGCTGCGCCGTCTGCTCGGGGCTGAGCTG
GCGGGAGCAGTTTGCGTGTGTTGGGTTTTTAAATTGAGATGAAATTCAAATAACCTAAAAATCAATCACTTGAAAG
TGAACAATCAGCGGCATTTAGTACATCCAGAAAGTTGTGTAGGCACCACCTCTGTCACGTTCTGGAACATTCTGT
CATCACCCCGTGAAGCAATCATTTCCCTCCCGTCTTCCCTCCCTGGCAACTGCTGATCGACTTTGTGTCTC
TGTTGTCTAAAATAGGTTTTCCCTGTTCTGGACATTTCAATAAATGGAATCACAC

6395/6881
FIGURE 5903

CCCGAGGGCGTCGGCAGGGTCGGCGGCGTCGGCAGCAGTGTGACGGCAGCGGCGGCGGGGTGGGAAATGGCG
GAGTATCTGGCCTCCATCTTCGGCACCGAGAAAGACAAAGTCAACTGTTTCAATTTTCAAAATTGGAGCATGT
CGTCATGGAGACAGGTGCTCTCGGTTGCACAATAAACCGACGTTTAGCCAGACCATTGCCCTCTTGAACATTTAC
CGTAACCCCTCAAACTCTTCCCAGTCTGCTGACGGTTTTCGCTGTGCCGTGAGCGATGTGGAGATGCAGGAACAC
TATGATGAGTTTTTTGAGGAGGTTTTTACAGAAATGGAGGAGAAGTATGGGGAAGTAGAGGAGATGAACGTCTGT
GACAACCTGGGAGACCACCTGGTGGGGAACGTGTACGTCAAGTTTCGCCGTGAGGAAGATGCGGAAAAGGCTGTG
ATTGACTTGAATAACCGTTGGTTTAATGGACAGCCGATCCACGCCGAGCTGTCACCCGTGACGGACTTCAGAGAA
GCCTGCTGCCGTCACTATGAGATGGGAGAATGCACACGAGGCGGCTTCTGCAACTTCATGCATTTGAAGCCCATT
TCCAGAGAGCTGCGGCGGGAGCTGTATGGCCGCCGTGCAAGAAGCATAGATCAAGATCCCGATCCCGGGAGCGT
CGTTCTCGGTCTAGAGACCGTGGTCGTGGCGGTGGCGGTGGCGGTGGTGGAGGTGGCGGCGGACGGGAGCGTGAC
AGGAGGCGGTGAGAGATCGTGAAAGATCTGGGCGATTCTGAGCCATGCCATTTTACCTTATGTCTGCTAGAAA
GTGTTGTAGTTGATTGACCAAACAGTTCATAAGGGGAATTTTTTTTAAAAACAACAAAAAAAAAACATACAA
AGATGGGTTTCTGAATAAAATTTGTAGTGATAACAGT

6396/6881
FIGURE 5904

MAEYLASIFGTEKDKVNCSFYFKIGACRHGDRCSRLHNKPTFSQTIALLLNIYRNPQNSSQSADGLRCAVSDVEMQ
EHYDEFFEEVFTEMEEKYGEVEEMNVCDNLGDHLVGNVYVKFRREEDAEKAVIDLNNRWFNGQPIHAELSPVTD
REACCRQYEMGECTRGGFCNFMHLKPI SRELRRRELYGRRRKKHRSRSRSRERRRSRSDRGRGGGGGGGGGGGGRE
RDRRRSRDRERSGRF

6397/6881
FIGURE 5905

CGGAGCCGCCCGCTGAGGTCAGAAGGAGGCGTCTGCGCTGATCGGGTCCGCCGCGGCCAGAGCCAGAGTCGCAG
CCGAGGGGAGCCGGGGCCGGAGCCCGAGCCCGAGCCGAGCCGGAGCCCGAGCGAGCGGCGGAGACCGTGCCCCCG
CCTCGGCCCCGCGCCGCCGCGGCCAGGCCCCGGCATGGAGGAGGAGTGCCGGGTGCTCTCCATACAGAGCCACGTC
ATCCGCGGCTACGTGGGCAACCGGGCGGCCACGTTCCCGCTGCAGGTTTTGGGATTTGAGATTGACGCGGTGAAC
TCTGTCCAGTTTTCAAACCACACAGGCTATGCCCACTGGAAGGGCCAAGTGCTGAATTCAGATGAGCTCCAGGAG
TTGTACGAAGGCCTGAGGCTGAACAACATGAATAAATATGACTACGTGCTCACAGGTTATACGAGGGACAAGTCG
TTCCTGGCCATGGTGGTGGACATTGTGCAGGAGCTGAAGCAGCAGAACCCCAAGGCTGGTGTACGTGTGTGATCCA
GTCTTGGGTGACAAGTGGGACGGCGAAGGCTCGATGTACGTCCCGGAGGACCTCCTTCCCGTCTACAAAGAAAAA
GTGGTGCCGCTTGCGAGACATTATCACGCCCAACCAGTTTGAGGCCGAGTTACTGAGTGGCCGGAAGATCCACAGC
CAGGAGGAAGCCTTGCGGGTGATGGACATGCTGCACTCTATGGGCCCCGACACCGTGGTCAACACCAGCTCCGAC
CTGCCCTCCCCGCAGGGCAGCAACTACCTGATTGTGCTGGGGAGTCAGAGGAGGAGGAATCCCGCTGGCTCCGTG
GTGATGGAACGCATCCGGATGGACATTCGCAAAGTGGACGCCGTCTTTGTGGGCACTGGGGACCTGTTTGCTGCC
ATGCTCCTGGCGTGGACACACAAGCACCCCAATAACCTCAAGGTGGCCTGTGAGAAGACCGTGTCTACCTTGCAC
CACGTTCTGCAGAGGACCATCCAGTGTGCAAAGCCCCAGGCCGGGGAAGGAGTGAGGCCAGCCCCATGCAGCTG
GAGCTGCGGATGGTGCAGAGCAAAAGGGACATCGAGGACCCAGAGATCGTCGTCCAGGCCACGGTGCTGTGAGGG
CCCCGCCGCTTGCCCGTGACACGCAGCGCGTTGGTGTCTCCGTGTTTGTCCCTGTGAAAACATGTAACGTCTGCC
TTAGAGCCATGACCGAACTTGATATTTTTTCTTTCATGAGTGTCCGGCATCTGCTGGTCTTCATTGTGAAACG
TGCCAGTCGTGCTTTGTGAAAATAACAAAGTGGTCACAAAAAAAAAAAAAAAAAAAA

6398/6881

FIGURE 5906

MEEECRVLSIQSHVIRGYVGNRAATFPLQVLGFEIDAVNSVQFSNHTGYAHWKQVLNSDELQELYEGLRLNNMN
KYDYVLTGYTRDKSFLAMVVDIVQELKQQNPRLVYVCDPVLGDKWDGEGSMYVPEDLLPVYKEKVVPLADIITPN
QFEAEELSGRKIHSQEEALRVMDMLHSMGPDTVVITSSDLPSQGSNYLIVLGSQRRRNPAAGSVVMERIRMDIRK
VDAVFVGTGDLFAAMLLAWTHKHPNNLKVACEKTVSTLHHVLQRTIQCAKAQAGEGVRPSPMQLELRMVQSKRDI
EDPEIVVQATVL

6399/6881
FIGURE 5907

GCGTGCTCAGTGTGCTGGGTACCAGGCGACTCCGGGACAGGGGGTCTCGGCCGTCGGCGTCATGGTTTCGCGCGT
GCAGCTCCCGCCTGAGATCCAGCTGGCTCAGCGCCTGGCGGGGAATGAGCAGGTGACCCGGGACCGGGCGGTGAG
GAAGCTCCGGAAATACATCGTCGCCAGGACTCAGCGGGCCGAGGTGGTTTTACGCACGACGAGCTGCTGAAGGT
GTGGAAAGGACTGTTTTATTGCAATGTGGATGCAGGACAAGCCACTCCTCCAGGAAGAATTAGGAAGGACTATTTT
CCAGCTCGTTTCATGCTTTTCAGACCACGGAGGCGCAGCACCTGTTTCTTCAGGCCTTCTGGCAGACCATGAATCG
CGAGTGGACGGGCATTGACAGGCTGCGCCTGGATAAATTCTACATGCTCATGCGGATGGTCTGAACGAGTCCTT
GAAGGTTCTGAAGATGCAAGGCTGGGAAGAAAGACAGATCGAGGAGCTGCTAGAGCTGCTGATGACTGAGATCCT
GCACCCACAGCAGCCAGGCCCCCAACGGTGTGAAGAGCCACTTCATCGAGATCTTCTGGAGGAGCTGACCAAAGT
GGGCGCCGAGGAGCTTACGGCAGACCAGAACCCTGAAGTTCATCGACCCCTTCTGCAGAATTGCTGCCCCGACC
GGATTCTTGGTTTTGAACAACATCACTCGAGGCATCTTTGAGACGATTGTGGAGCAGGCCCCGCTTGCCATTGA
AGACCTCCTGAATGAACTGGACACACAGGATGAGGAGGTGGCGTCGGACAGTGATGAGTCCTCTGAGGGTGGTGA
GCGTGAGAGACGCGCTGTCCAGAAGAGGTCTGAGAAGCCGCGCCGAGGCTCCATCTGCAGGGCTGAACCTGAGGC
TGGTGAGGAGCAGGCAGGTGACGACAGGGACAGTGGCGGGCCCGTTCTCCAGTTTGACTACGAGGCAGTTGCTAA
CAGACTGTTTGAAATGGCCAGCCGCCAGAGCACCCCTTCTCAGAACAGAAAGCGTCTCTACAAAGTGATCCGGAA
GCTGCAGGACCTGGCAGGAGGCATTTTCCCTGAAGATGAGATCCAGAGAAGGCCTGCAGGCGCCTGCTTGAAGG
GAGGCGGCAGAGAAGAGCAGAAGAGCAGAAGCGTCTGCTCAGGTTGCAGCAGGAGAGAGGGAAAGGTGAGAAGGA
GCCCCCGAGCCCGGGCATGGAGAGGAAGAGGAGCAGGAGGAGGGGTGTAGGGGCGACCCCGAGGCGCGGGCAGA
GGCTGGTGAGCAGCCAGGCACAGCTGAGCGGGCCCTGCTCCGAGATCAGCCCAGGGGCGGTGGCCAGAGAGGGGC
TCGCCAGAGAAGGAGGACACCTCGGCCCTGACCAGTGCCCGAGCAAAGGCGGCCAATGTCCAGGAGCCGGAGAA
GAAGAAGAAACGCAGGGAGTGATGTGGCCGGGCCAAGGACAGGCAGGGAGGGAGGCCAGGCCTCGCTTGACCCGC
GGGACGAGGCTGACCGGGCTGTTCTGTAGACTCAGGACCGTGGCTCCAGAACTCCTGTGCCAGGCGGGAGGGAAAG
GGCGGCACTGGAGAGATGGGCCCATCATTAGGGGCCAGCATCCAGGAACTGGACCTTTCCCCAGAGCCTCCGCC
TGTGGCTGTGATGACCTTGGGCCAGAAGGTCAAACCTCCGAAGACTGAACTCTGCCTGCAGCAGGACTGGCCGCC
CCTGCTGTGGGGGGTTTCAAAAAATAAATGCCGCGCAGCCCTTGCCAGGGGAAGTGTGCTTCAGGTGTGTCCTA
CGGACGTGTGGGAGGTGGCAGGCGCCAGCCTCCGAGCAGTGTGGTGGTTTTATATTATGTTTGTGGAAAAATCTT
GCAAGACATTTCTCCTTTCACAGAACTGCCCAGGTGTTAACAGGGCTGTCTGGACGGGGCTCTTTTGCTTCCCCC
TCAATCTGGGGTCTAGAGTTGTGCAAGGAATTCAGCTCCAGTAAGGCCTGGATTGCCCCGGGGTGAGCGTGTGTGT
GGTGGGAAGACCTGGCTTCCGCGAGAGCCTTGTTCTGGAGGCAGGAGCGCCCCGCCATCCTGGGTACCCGCGGG
TCCGCAGGCTGCGCACCTCTTCCCTCAGCCAGGTACCCCTCAGCGTCTCCTGCCCCCTCTCCCCCTTCACACCT
GCTGGAGCCTGTGAGGGAGGTGGCGGGTCCCCACTGTGGCGACGGAGAGCTGACAGTAGCCCAGGGCTTTCCACC
TGCATGGAACAAGGGCCTGTCTGCCGCCAGCGCTGTGGCCACAGCCTGCATAGGTGACAAGGGGGCCGCTGCGTTG
GGTTTTGCCCCGATCTTCTGTTCCATGGGTGCCAGCCAGCCAGGCCGTGTGGGATCCAGCGAGAGGCCAGGGCT
TGGAGTGGGCCTGGGACCAGGAAGGACCTCTAGGCTGTGGCTGGCCTTGTGCAGACCCTGGACTGCATCCGGTTC
CCCAAAGCCCTGCTGCATTCGAGTGTCCCCCAACCCCGGGCAGGTGGCACCTGGTGACACCTCCTTCAGTCCCAC
TCAGCTGGGCGGCCGGGGCAGGCTTAGGGCACAGTTAGGGGCCAAGGAGAGGGAAGGCCAGGGCCCCCTGTTCTAG
GGGTTAGGGTTCTTTCCCCAAAGGAACCTTAAAAAGACAAGCGTGGCCAGGCACAGTGGCTCACACCTGTAATCCC
AGCACTTTGGGAGGCCGAGGTGGCCAGATCACCTGAGGTGAGGAGTTTGTAGACCAGACTGACCAACATGGAGAAA
CCCCATCTCTACTAAAAATACAAAATTAGCCAGGCGTGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTG
AGGCAGGAGAATTGCTTGAACCTGGGAGGCAGAGGTTGTGGTGAGCTAAGATCACGCCATTGCACTCCAGCCTGG
GCAACGAGAGGGAAACTCTGTTTC

6400/6881
FIGURE 5908

TCTATGAAACCAACATACATGGCGTTTGCATCACAGTTGGAGTCAGATGTGAGCCCGGAGGGCAGGTGTCTGGCT
TGTCCACCCGGAAGCCCTGAGGGCAGCTGTTCCCACTGGCTCTGCTGACCTTGTGCCTTGGACGGCTGTCCTCAG
CGAGGGGCGGTGCACCCGCTCCTGAGCAGCGCCATGGGCCTGCTGGCCTTCTGAAGACCCAGTTCGTGCTGCAC
CTGCTGGTCGGCTTTGTCTTCGTGGTGAGTGGTCTGGTCATCAACTTCGTCCAGCTGTGCACGCTGGCGCTCTGG
CCGGTCAGCAAGCAGCTCTACCGCCGCTCAACTGCCGCTCGCATACTCACTCTGGAGCCAACCTGGTCATGCTG
CTGGAGTGGTGGTCTGACGGAGTGACACTGTTACGGACCAGGCCACGGTAGAGCGCTTTGGGAAGGAGCAC
GCAGTCATCATCCTCAACCACAACTTCGAGATCGACTTCCTCTGTGGGTGGACCATGTGTGAGCGCTTCGGAGTG
CTGGGGAGCTCCAAGGTCCTCGCTAAGAAGGAGCTGCTCTACGTGCCCTCATCGGCTGGACGTGGTACTTTCTG
GAGATTGTGTTCTGCAAGCGGAAGTGGGAGGAGGACCGGGACACCGTGGTGAAGGGCTGAGGCGCCTGTCGGAC
TACCCCGAGTACATGTGGTTTTCTCCTGTACTGCGAGGGGACGCGCTTCACGGAGACCAAGCACC GCTTAGCATG
GAGGTGGCGGCTGCTAAGGGGCTTCCTGTCTCAAGTACCACCTGCTGCCGCGGACCAAGGGCTTCACCACCGCA
GTCAAGTGCCCTCCGGGGGACAGTCGCAGCTGTCTATGATGTAACCTGAACCTCAGAGGAAACAAGAACCCGTCC
CTGCTGGGGATCCTCTACGGGAAGAAGTACGAGGCGGACATGTGCGTGAGGAGATTTCCTCTGGAAGACATCCCG
CTGGATGAAAAGGAAGCAGCTCAGTGGCTTCATAAACTGTACCAGGAGAAGGACGCGCTCCAGGAGATATATAAT
CAGAAGGGCATGTTTCCAGGGGAGCAGTTTAAGCCTGCCCGAGGCGGTGGACCTCCTGAACTTCCTGTCTGG
GCCACCATTCCTCTGCTCTCCCTCTTCAGTTTTGTCTTGGGCGTCTTTGCCAGCGGATCACCTCTCCTGATCCTG
ACTTTCTTGGGGTTTGTGGGAGCAGCTTCCTTTGGAGTTTCGCAGACTGATAGGAGTAACTGAGATAGAAAAAGGC
TCCAGCTACGGAAACCAAGAGTTTAAGAAAAAGGAATAATTAATGGCTGTGACTGAACACACGCGGCCCTGACGG
TGGTATCCAGTTAACTCAAAACCAACACACAGAGTGCAGGAAAAGACAATTAGAACTATTTTTCTTATTAAGTG
GTGACTAATATTAACAAAACCTTGAGCCAAGAGTAAAGAATTGAGAAGGCCTGTCAGGTGAAGTCTTCAGCCTCCC
ACAGCGCAGGGTCCCAGCATCTCCACGCGCGCCCGTGGGAGGTGGGTCCGGCCGGAGAGGCCTCCCGCGGACGCC
GTCTCTCCAGAAGCTCCGCTTCCAAGAGGGACCTTTGGCTGCTTTCTCTCCTTAACTTAGATCAAAATTTAAAAA
AAAAAAAAA

6401/6881
FIGURE 5909

MGLLAFLKTQFVLHLLVGFVFVVSGLVINQVQLCTLALWPVSKQLYRRLNCRSLWSQLVLMLEWWSCTECTL
FTDQATVERFGKEHAVIILNHNFEIDFLCGWTMCERFGVLGSSKVLAKKELLYVPLIGWTWYFLEIVFCRKRKWE
DRDTVVEGLRRLSDYPEYMWFLLYCEGTRFTETKHRVSMEVAAAKGLPVLKYHLLPRTKGFTTAVKCLRGTVA
YDVTLNFRGNKNPSLLGILYGKKYEADMCVRRFPLEDIPLDEKEAAQWLHKLYQEKDALQEIYNQKGMFPGEQFK
PARRPWILLNFLSWATILLSPLFSFVLGVFASGSPLLIITFLGFVGAASFVRRRLIGVTEIEKGSSYGNQEFKKK
E

6402/6881
FIGURE 5910

GCGGCACACGTGCGACGGCCGTGATGAAGTTCGCTTACCGGTTTTCAAATTTGCTGGGTACGGTGTACCGGCGTG
GGAACCTAAATTTTACCTGCAATGGAAATTCAGTTATCAGTCCCGTGGGCAATAGAGTCACTGTATTTGACCTTA
AAAACAACAAATCTGACACGCTGCCCCTGGCCACTCGGTACAACGTCAAGTGCCTGGGGCTGTCCCCGGATGGCC
GCCTCGCTATCATCGTCGATGAAGGGGGCGATGCGCTGCTGGTCAGCCTGGTCTGCAGGTCTGTGCTGCACCACT
TCCACTTCAAGGGCTCTGTGCACAGTGTGTCTTCTCCCTGATGGCAGGAAGTTTGTGTGCACAAAGGGTAACA
TTGCCCAGATGTATCATGCCCCTGGGAAGAAGCGGGAGTTCAACGCCCTTCGTTCTGGACAAGACCTATTTTGGGC
CCTACGATGAGACCACCTGCATCGACTGGACGGATGACTCCAGGTGCTTTGTGGTTGGGAGCAAAGACATGTCCA
CCTGGGTGTTTCGGAGCCGAGCGCTGGGACAACCTCATCTACTATGCACTGGGGGGACATAAGGATGCCATCGTGG
CCTGCTTCTTTGAATCCAACAGCCTGGACCTGTACTCACTCAGCCAGGACGGAGTGCTGTGCATGTGGCAGTGTG
ACACGCCCCCGAGGGCTTTCGGCTGAAGCCCCCTGCGGGCTGGAAAGCAGACCTGTTGCAGCGGGAGGAGGAAG
AGGAGGAGGAGGAGGAGGACCAGGAGGGCGACAGAGAGACCACCATCCGGGGAAAAGCCACTCCGGCCGAGGAGGAGA
AGACAGGAAAAGTGAAGTACTCACGGCTGGCCAAGTACTTCTTCAATAAAGAAGGGGATTTTAAACACCTGACAG
CTGCAGCATTTTATAAGAAGTCTCACCTCTTGGTCACTGGCTTTGCTTCTGGAATCTTCCATCTTCATGAGCTGC
CAGAGTTTAACTCATCCACTCCCTGAGCATTTTCAGATCAGAGCATCGCCTCAGTGGCCATCAATAGCTCGGGGG
ACTGGATTGCTTTTGGCTGTTTCAGGCCTGGGCCAGCTGCTGGTGTGGGAGTGGCAGAGTGAGTCTACGTGCTCA
AGCAGCAGGGCCACTTCAACAGCATGGTGGCCCTGGCCTACTCGCCGACGGACAGTACATCGTGACTGGCGGGG
ACGACGGCAAGGTCAAGGTGTGGAACACCCTCAGCGGCTTCTGCTTCGTCACTTTTACGGAGCACTCCAGCGGGG
TGACCGGTGTGACCTTTACTGCCACCGGCTACGTTGTGGTGACCTCATCCATGGACGGGACCGTGCGAGCCTTTG
ACCTTCACAGGTACCGAACTTCCGCACCTTCACCTCTCCACGCCCCACCCAGTTCTCCTGTGTGGCGGTGGATG
CGAGCGGTGAGATCGTCTCTGCAGGGGCGCAGGACTCCTTTGAGATTTTCGTGTGGTCCATGCAGACAGGCAGGC
TCCTTGATGTTTTGTCTGGACACGAAGGGCCCATCAGTGGTCTGTGTTTTTAACCCAATGAAGTCCGTCTGGCCA
GTGCCTCCTGGGACAAGACAGTGCGCCTATGGGACATGTTTGACAGCTGGAGGACCAAGGAGACGCTGGCCCTGA
CCTCTGATGCTCTGGCTGTGACTTTTCGCCCTGATGGTGCAGGAGTGGCTGTGGCCACACTGAACTCACAGATCA
CCTTCTGGGACCCTGAGAACGCGGTGCAGACGGGCTCCATTGAGGGCAGGCATGACCTCAAGACTGGCAGGAAGG
AGCTGGACAAGATTACAGCCAAGCACGCGGCCAAGGGGAAGGCCTTCACCGCCCTGTGCTACTCTGCAGACGGCC
ACAGCATCCTGGCGGGAGGCATGTCCAAGTTCGTGTGCATCTACCACGTCCGTGAGCAGATTCTCATGAAGAGGT
TCGAGATCTCTTGCAACCTGTCTTTGGACGCCATGGAGGAATTTTGAACCGAAGAAAAATGACAGAGTTTGGCA
ACCTGGCACTAATTGATCAGGATGCTGGGAGGAGGATGGAGTCGCGATACCACTGCCAGGCGTCAGGAAAGGTG
ACATGAGTTCTCGGCACTTCAAACCTGAGATCAGGGGTGACCTCACTCCGCTTCTCTCCCACTGGGCGCTGCTGGG
CGGCCACCACCACGGAGGGACTCCTCATCTACTCCCTGGACACCCGCGTGCTCTTTGACCCGTTTGAGCTGGACA
CCAGCGTCACCCCCGGGAGGGTGCAGGAGGCACTGCGCCAGCAGGACTTCACCAGGGCCATCCTCATGGCCCTCC
GGCTCAACGAGAGCAAACCTGGTGCAGGAGGCCCCGAGGCGGTGCCAGGGGCGAGATTGAAGTGGTCACCTCCT
CCCTTCTGAACTGTATGTGGAGAAAGTGTGAGTTTTTAGCTTCTCCTTTGAAGTGTCTCGCCACCTGGAAT
TCTACCTCCTCTGGACTCACAACTGCTCATGTTGCACGGACAGAAGCTGAAGTCCAGAGCCGGGACGCTGCTGC
CTGTCAATTCAGTTCTCCAGAAGAGCATCCAGCGGCACCTGGACGACCTGTGAAACTCTGTAGCTGGAACCACT
ATAACATGCAGTACGCACCTAGCAGTTTCCAAGCAGCGGGGCACAAAACGCTCCCTAGACCCGCTGGGAAGTGAGG
AGGAGGCAGAAGCATCTGAAGATGACAGCCTGCATCTGCTTGGAGGAGGAGGCAGAGACTCAGAAGAAGAGATGC
TGGCCTAGAGCCAGCCGTTGCAGCGTTGGATTGTGCCGGCTAAGACCTGCCAGGGAGATGGGACCCTTGTGCCA
CCTGGGCCAGCAAAGAGGAGGGGTCCAGAGAACAGCTGAAATACTGTCACTAGTGGTAGTGACTTGTCTTTCTG
TGCACACATGTAGCCCATCAGGACAGCGAGCCGACGGGTACGCCAGGGGCCGACGCACCTGGCACCTGGCCCC
AGGAGCGGGGCCGTGTGAACGGTGATGAATGTTGAAAATGCGTCTCAGAGAGGTATTCACATGAACTTTGTATGA
GACTTATTTATATCTTTAACATAAAGGTTTGATAAAGAACTTAGGGATTAAAAAAAAGATGGAGTTTTCTAACGT
GAGGATGAAGTCTACACTTCAGATTAAAAAGGGTTATGTTGTA

6403/6881
FIGURE 5911

CCCATCTCCACCCCTCCCCTGAACCCCACTCCCCACTGAGGTCCCCAAACCCACCCCTCACTCCACCCCTGAGGG
CCCCATCCTCTGAACCCCAATCCCCCAGCCCCACTGAGCTCTTAACCCCTCCCCACCTGAGGGTTCCCTTTCCCTG
CCCGTCCCCCAGCTTCCTAGCTCCCCACCCCAAGTGACCCCCGCGAGCTCCTCGCCCCCTCCCACTGCAAACCGGC
ACTGAAGGGCTGCCCCGCCCCCGCCCCCTCCCCGCCCCCGGGGACACGCCCAGATTCTTTGCCCCCATAGCCTGG
TGACCTCTGGCCACCCGCTGTCCCAGGTGGGCCTGGATCCTTCCAGCTCATTCTTTGCCTGCGCCGTCCCTCGTT
CCATGGCCCAGTCCCTCCCCGGGGACCCCTGAGCCTGGAAGCCCCGGACCACTGGAACCTTGAACCCACCAGCTGGC
TGTACCCGGAGCCGTGGCAGCAGCCCTCATCCCCATGGCGGCCATCCCAGCCCTGGACCCAGAGGCCGAGCCAG
CATGGACGTGATTTTGGTGGGATCCAGTGAGCTCTCAAGCTCCGTTTACCCGGGACAGGCAGAGATCTTATTGC
ATATGAAGTCAAGGCTAACCAGCGAAATATAGAAGACATCTGCACTCTGCTGCGGAAGTCTCCAGGTTACACACA
GCACCCCTCTGTTTGAGGGAGGGATCTGCGCCCCATGTAAGGACAAGTTCCCTGGATGCCCTCTTCTGTACGACGA
TGACGGGTACCAATCCTACTGCTCCATCTGCTGCTCCGGAGAGACGCTGCTCATCTGCGGAAACCCCTGATTGCAC
CCGATGCTACTGCTTCGAGTGTGTGGATAGCCTGGTCGGCCCCGGGACCTCGGGGAAGGTGCACGCCATGAGCAA
CTGGGTGTGCTACCTGTGCCTGCCGTCTCCGAAGCGGGCTGCTGCAGCGTCGGAGGAAGTGGCGCAGCCAGCT
CAAGGCCCTTCTACGACCGAGAGTCGGAGAATCCCCCTTGAGATGTTTCGAAACCGTGCCTGTGTGGAGGAGACAGCC
AGTCCGGGTGCTGTCCCTTTTTGAAGACATCAAGAAAGAGCTGACGAGTTTGGGCTTTTTGGAAAGTGGTTCTGA
CCCGGGACAACCTGAAGCATGTGGTTGATGTACAGACACAGTGAGGAAGGATGTGGAGGAGTGGGGACCCCTTCGA
TCTTGTGTACGGCGCCACAGCTCCCCTGGGGCCACACCTGTGACCGTCCCTCCCAGCTGGTACCTGTTCCAGTTCCA
CCGGTTCCCTGCAGTACGCACGGCCCAAGCCAGGCAGCCCCAGGCCCTTCTTCTGGATGTTCTGTGGACAATCTGGT
GCTGAACAAGGAAGACCTGGACGTCGCATCTCGCTTCTTGAGATGGAGCCAGTCACCATCCCAGATGTCCACGG
CGGATCCTTGCAGAAATGCTGTCCGCGTGTGGAGCAACATCCCAGCCATAAGGAGCAGCAGGCACTGGGCTCTGGT
TTCGGAAGAAGAATTGTCCCTGCTGGCCCAGAACAAGCAGAGCTCGAAGCTCGCGGCCAAGTGGCCCACCAAGCT
GGTGAAGAACTGCTTTCTCCCCCTAAGAGAATATTTCAAGTATTTTTCAACAGAACTCACTTCTCTTTATAAT
GAGTCACTATACTGTGAAGAAAAAGACTTTTCCTAGAACAAAGGCAACTTTTCCTC

6404/6881
FIGURE 5912

MAAIPALDPEAEPSMDVILVGSSELSSSVSPGTGRDLIAYEVKANQRNIEDICICCGSLQVHTQHPLFEGGICAP
CKDKFLDALFLYDDDGYSYCSICCSGETLLICGNPDCTRCYCFECVDSL VGPGTSGKVHAMSNNWCYLCLPSSR
SGLLQRRRKWRSQKAFYDRESENPLEMFETVPVWRRQPVRVLSLFEDIKKELTS LGFLESGSDPGQLKHVV DVT
D TVRKDVEEWGPF DLVYGATAPLGHTCDRPPSWYLFQFHRFLQYARPKPGSPRPFFWMFVDNLVLNKEDLDVASR
FLEMEPVTIPDVHGGSLQNAVRVWSNIPAIRSSRHWALVSEEELSLLAQNKQSSKLA AKWPTKLVKNCF LPLREY
FKYFSTELTSSL

6405/6881
FIGURE 5913

GCGACGCGGCGCAGGCGGCGGGAGTGCAGCTGGGCCCCGTGTTTCGGCCGCGGCCATGGCCGCGGTGGACCTGGA
GAAGCTGCGGGCGTCGGGCGCGGGCAAGGCCATCGGCGTCCTGACCAGCGCGGCGACGCGCAAGGTCCCCTGAC
AAGCCCACCAGGCCCCCTGCTGAGATGGCTGTGACCCTGGGCTGACCCGCCAGTGGCACATTGACTCCGCCTGG
AGCTGGGGAGACCAGAGAGGCCCTGTGGTTGGACGGTGGCCTGGGTGCGCTGCTCCTGCCCTCTCCTTGCCCTGC
CTCAGCTGCTGCCTGCCAGAGGCGTGGCACCTCACCTCACACCTGCTCCCTGCTGCTGAGCCCCACGCCAAGCTG
GAGAGCGGATGAGAAGCATGTGTAACCAGGGTAGAGGTGAGAGTCTCTCGTGGGGGTCTCCATGTTCAAGGGA
GCTGCCGAGGCTTGAGCAGGAGCCCCAGCAGGAACTGGCTTTGCCAAGGCCCGCTGGGACAGACTGTTTTCT
TTCACTGCAGTCTTGGGAGCCGAGGGCAAGGGGACAGGAAAGAGGAAGTGACCTCAGAGCCTGGTGGCACCAGCA
TCATGTCCAGGCTGGGGGGCATGAACGCTGCTGTCCGGGCTGTGACGCGCATGGGCATTTATGTGGGTGCCAAAG
TCTTCTCATCTACGAGGGCTATGAGGGCCTCGTGGAGGGAGGTGAGAACATCAAGCAGGCCAACTGGCTGAGCG
TCTCCAACATCATCCAGCTGGGCGGCACTATCATTGGCAGCGCTCGCTGCAAGGCCCTTACCACCAGGGAGGGGC
GCCGGGCGAGCGGCTACAACCTGGTCCAGCACGGCATACCAACCTGTGCGTCATCGGCGGGGATGGCAGCCTTA
CAGGTGCCAACATCTTCCGAGCGAGTGGGGCAGCCTGCTGGAGGAGCTGGTGGCGGAAGGTAAGATCTCAGAGA
CTACAGCCCGGACCTACTCGACCTGAACATCGCGGGCCTAGTGGGCTCCATCGATAACGACTTCTGCGGCACCG
ACATGACCATCGGCACGACTCGGCCCTCCACCGCATCATGGAGGTTCATCGATGCCATCACCACCACTGCCCCAGA
GCCACCAGAGGACCTTCGTGCTGGAAGTGATGGGCCGGCACTGCGGGTACCTGGCGCTGGTATCTGCACTGGCCT
CAGGGGCCGACTGGCTGTTTCATCCCCGAGGCTCCACCGAGGACGGCTGGGAGAACTTCATGTGTGAGAGGCTGG
GTGAGACTCGGAGCCGTGGGTCCCGACTGAACATCATCATCGCTGAGGGTGCCATTGACCGCAACGGGAAGC
CCATCTCGTCCAGCTACGTGAAGGACCTGGTGGTTTACAGAGGCTGGGCTTCGACACCCGTGTAACCTGTGCTGGGCC
ACGTGCAGCGGGGAGGGACGCCCTCTGCCTTCGACCGGATCCTGAGCAGCAAGATGGGCATGGAGGCGGTGATGG
CGCTGCTGGAAGCCACGCTGACACGCCGGCCTGCGTGGTCACCTCTCGGGGAACAGTCACTGCGGCTGCCCC
TCATGGAGTGGTGCAGATGACCAAGGAAGTGAGAAAGCCATGGATGACAAGAGGTTTGACGAGGCCACCCAGC
TCCGTGGTGGGAGCTTCGAGAACAAGTGAACATTTACAAGCTCCTCGCCACCAGAAGCCCCCAAGGAGAAGT
CTAACTTCTCCCTGGCCATCCTGAATGTGGGGGCCCCGGCGGCTGGCATGAATGCGGCCGTGCGCTCGGCGGTGC
GGACCGGCATCTCCCATGGACACACAGTATACGTGGTGCACGATGGCTTCGAAGGCCTAGCCAAGGGTCAGGTGC
AAGAAGTAGGCTGGCACGACGTGGCCGGCTGGTTGGGGCGTGGTGGCTCCATGCTGGGGACCAAGAGGACCTGC
CCAAGGGCCAGCTGGAGTCCATTGTGGAGAATCCGCATCTATGGTATTACGCCCTGCTGGTGGTGGTGGGT
TTGAGGCCTATGAAGGGGTGCTGCAGCTGGTGGAGGCTCGCGGGCGCTACGAGGAGCTCTGCATCGTCATGTGTG
TCATCCCAGCCACCATCAGCAACAACGTCCCTGGCACCGACTTCAGCCTGGGCTCCGACACTGCTGTAAATGCCG
CCATGGAGAGCTGTGACCGCATCAAACAGTCTGCCTCGGGGACCAAGCGCCGTGTGTTTCATCGTGGAGACCATGG
GGGGTTACTGTGGCTACCTGGCCACCGTGACTGGCATTGCTGTGGGGGCGGACGCGCCCTACGTCTTCGAGGACC
CTTTCAACATCCACGACTTAAAGGTCAACGTGGAGCACATGACGGAGAAGATGAAGACAGACATTACAGAGGGGCC
TGGTGCTGCGGAACGAGAAGTGCCATGACTACTACACCACGGAGTTCTGTACAACCTGTACTCATCAGAGGGCA
AGGGCGTCTTCGACTGCAGGACCAATGTCTGGGCCACCTGCAGCAGGGTGGCGCTCCAACCCCTTTGACCGGA
ACTATGGGACCAAGCTGGGGGTGAAGGCCATGCTGTGGTTGTGCGAGAAGCTGCGCGAGGTTTACCGCAAGGGAC
GGGTGTTTCGCCAATGCCCCAGACTCGGCCTGCGTGATCGGCCTGAAGAAGAAGGCGGTGGCCTTCAGCCCCGTCA
CTGAGCTCAAGAAAGACACTGATTTGAGCACCGCATGCCACGGGAGCAGTGGTGGCTGAGCCTGCGGCTCATGC
TGAAGATGCTGGCACAATACCGCATCAGTATGGCCGCTACGTGTGAGGGGAGCTGGAGCACGTGACCCGCCGCA
CCCTGAGCATGGACAAGGGCTTCTGAGGCCAGCATGCCACGCCCTCCCCAGCCCCACCATGCCAGCGCAG
CGCCAGGGCTCAGATGGGGCTGGGCTGTTGTGTCTGGAGCCTGCAGGCAGGTGGGGGCTGCGTCCCTGCTCAGC
CCATCCCCTGCCTCTATCCCTGGCCACCTGCCAGGCCTCCCTCGGGCTGGTGTCTTGAGACCAGCTGCCAGGCC
CTCCAGCAGGAGGACAGAGTGCCCTGGGGCATCCACCTTCTGCCAGGGGACGTGGCGCTGTCGGTGTGTTGGAG
GCTGCTGCCCCCTGGCTTTGGCGCCCCATGGGCCCTCAGCGTCTCCCCATGCTGGGCTCACTACATGGGCCAGCC
CTTGCTCTACCTGGCCGGTAGGCTGCTGGCGCCTAGGTTGTGTTGAGAGGGGGATGCCCTGGCCCTGCCTCACT
GTGACCTGCTCCTGCCACGTGCAGCACCTGTACCTTTTCTAGAAATAAAATCACCTGACTGTGGGGTGCATC
GGTCTCCGG

6406/6881
FIGURE 5914

GTGGCACGGGCAGGGCCCAGTGACAGGGATCTGGGCATGGCGAGGGGATGAGAAGCTGTGGATACAAGCCCAGG
ACATGGGGTGGCCCCGCGGGGCTGGGAAGGCTGGCAGATGTTGGGTGTGGGTACCACCCCCCTGCAGGCGTCCT
GGCGGCCGGGTCAGGCTGGATTGGACGCTCTGGGTTCCCATGCGTGCCTCCACCCGCTACCAAGGTGGCCAACCCT
CCCTTGAGCTGGATGCCGGCCACGTGCTTTGCTGCACGGGCTGGCGTGGCCTCGTGTGTGTTGGGGGTCTCGCA
CCTTCTGTGGAAGGTGCCCTGCCTGGCATGCGCGGTGTCTGCTGCCTCATGGCTGAGCTTCCATCGGGCCGTGTG
CCTGTGACCAGCCTCCTGGGCTCTGTACGGCTGCGCTGTGGCTGTACGCCGTGGCGCTGCAGGGCTGTGCATGG
TGTGACCCGAATCCCTTCCAGGAGCTTCGAGAACAACCTGGAACATTTACAAGCTCCTCGCCCACCAGAAGCCCCC
CAAGGAGAAGTCTAACTTCTCCCTGGCCATCCTGAATGTGGGGGGCCCCGGCGGCTGGCATGAATGCGGGCCGTGCG
CTCGGCGGTGCGGACCGGCATCTCCCATGGACACACAGTATACGTGGTGCACGATGGCTTCGAAGGCCTAGCCAA
GGGTGAGGTGCAAGAAGTAGGCTGGCACGACGTGGCCGGCTGGTTGGGGCGTGGTGGCTCCATGCTGGGGACCAA
GAGGACCCTGCCCCAAGGGCCAGCTGGAGTCCATTGTGGAGAACATCCGCATCTATGGTATTCACGCCCTGCTGGT
GGTCGGTGGGTTTGAGGCCATGAAGGGGTGCTGCAGCTGGTGGAGGCTCGCGGGCGCTACGAGGAGCTCTGCAT
CGTCATGTGTGTCATCCAGCCACCATCAGCAACAACGTCCCTGGCACCGACTTCAGCCTGGGCTCCGACACTGC
TGTAATGCGCCATGGAGAGCTGTGACCGCATCAAACAGTCTGCCTCGGGGACCAAGCGCCGTGTGTTTCATCGT
GGAGACCATGGGGGGTTACTGTGGCTACCTGGCCACCGTGAAGTGGCATTGCTGTGGGGGCCGACGCCGCCTACGT
CTTCGAGGACCCTTTCAACATCCACGACTTAAAGGTCAACGTGGAGCACATGACGGAGAAGATGAAGACAGACAT
TCAGAGGGGCGCTGGTGTGCGGAACGAGAAGTGCCATGACTACTACACCACGGAGTTCCTGTACAACCTGTACTC
ATCAGAGGGCAAGGGCGTCTTCGACTGCAGGACCAATGTCCTGGGCCACCTGCAGCAGGGTGGCGCTCCAACCCC
CTTTGACCGGAACATATGGGACCAAGCTGGGGGTGAAGGCCATGCTGTGGTTGTGCGGAGAAGCTGCGCGAGGTTTA
CCGCAAGGGACGGGTGTTGCGCAATGCCCCAGACTCGGCCTGCGTGATCGGCCTGAAGAAGAAGGCGGTGGCCTT
CAGCCCCGCTCACTGAGCTCAAGAAAGACACTGATTTGAGACACCGCATGCCACGGGAGCAGTGGTGGCTGAGCCT
GCGGCTCATGCTGAAGATGCTGGCACAATACCGCATCAGTATGGCCGCCTACGTGTGAGGGGAGCTGGAGCACGT
GACCCGCCGCACCCCTGAGCATGGACAAGGGCTTCTGAGGCCAGCCATGCCACGCCCCCTCCCCAGCCCCACCCA
TGCCAGCGCAGCGCCAGGGCTCAGATGGGGCCTGGGCTGTTGTGTCTGGAGCCTGCAGGCAGGTGGGGGCTGCGT
CCCTGCTCAGCCCATCCCTGCCTCTATCCCTGGCCACCTGCCAGGCCTCCCTCGGGCTGGTGTCTTGAGACCAG
CCTGCCAGGCCCTCCAGCAGGAGGACAGAGTGCCCTGGGGCATCCACCTTCCCTGCCAGGGGACGTGGCGCTGTC
GGTGTGTTGAGGCTGCTGCCCCCTGGCTTTGGCGCCCCATGGGCCCTCAGCGTCTCCCCATGCTGGGCTCACTAC
ATGGGCCAGCCCTTGCTCTACCTGGCCGGTAGGCTGCTGGCGCCTAGGTTGTGTTGAGAGGGGGATGCCCTGGC
CCTGCCTCACTGTGACCTGCTCCTGCCACGTGCAGCACCTGTACCTTTTCTAGAAATAAAATCACCCCTGACTG
TGGGGTGCATCGGTCTCCGG

6407/6881
FIGURE 5915

CCGCGCAGTCGTCACCCGCCCGGGATCAGGAGGCCGGGGCGCCCGCCGGTCGGGGCCTGGGCGGCCGCATGAAGC
TGACGCGGAAGATGGTTCTGACCCGAGCCAAGGCCTCGGAGCTGCACAGCGTGCAGCAAGCTCAACTGCTGGGGCA
GCCGCCTCACAGATATCTCCATTTGCCAGGAGATGCCAGCCTGGAGGTGATCACGCTCAGTGTCAACAGCATCT
CCACCCTGGAGCCTGTGAGCCGGTGCCAGCGCCTGAGTGAGCTGTACCTGCGGAGGAACCGCATCCCCAGCCTGG
CTGAGCTCTTCTACCTGAAGGGGCTGCCGCGTCTGCGGGTGCTGTGGCTGGCCGAGAACCCGTGCTGCGGCACCA
GCCCCACCGCTACCGCATGACCGTGCTGCGCACCCCTGCCGCGCCTACAGAAGCTGGACAACCAGGCTGTGACGG
AGGAGGAGCTGTCCCGTGCACTGAGTGAGGGAGAGGAGATCACTGCGGCCCCAGAGAGAGAGGGCACAGGCCACG
GCGGCCCCAAGCTATGCTGCACACTGAGCTCCCTCAGCTCCGCTGCTGAGACTGGCCGGGACCCGCTGGACAGCG
AGGAGGAGGCAACCAGCGCGGCCAGGATGAACGTGGCCTGAAGCCGCCTTCCCAGGGGCCAGTTTCCTTCCCTCT
CAGCCAGGGATGCCTCGAGCAGCCACAGGGGCAGGAACGTCTGACTGCCATCCTGCTGCTGCTGCTGCGGGAGCTGG
ATGCAGAGGGGCTGGAGGCCGTGCAGCAGACTGTGGGCAGCCGGCTGCAGGCCCTGCGTGGGGAAGAGGTGCAGG
AGCACGCCGAGTGACCCGAGGACCTGAACGCCGCTCCAGCCTCCACGGGGACCCAGCGTCTTCCCCAGCCCCCG
GGAGCTGGAGGGTGGCTGCCATGGCCGCAGCCCCGCGCCACACAAAAGCCTCCCCGGTTTGCCACATCGGCCGA
GGGCAGGAGTGGGTGTTAGGTACTGGCTAACCGGGGCGGTGGAGATGCCTGTCTACACCAGTCTGTCCCCAGGA
CTCCCCCTTCTGTGGTCTGGAGGTTCTAGGCTGGCCTGGGCTCTTAAAGGGAGGATTTTGCAGGCTGTCTCCCTA
ATAAAAAGATTTTCCCAAGGTTGATCTGGAGGTGACGTTTCCCAAGGCATGGTTGTGACAGTCTTCTGAAAGCAA
GGGCCGTTTCTCCACAGAATGAGGAGGTCTTACGGATGGCTTTGCCGATTCCAGCCCTTGGTCCTTGGATAGAT
TTCTGTTGGGCAAGGGAGACTTCGAGAATGCTGGCACCATAGCGACATCTGCCCTGAGCTGCTCAGCAGGCAGG
CAGCAGCCTCCCGCACCCATGGGAGAGAGTTTTGTTTTCTTGGCCGGGCTGGGCAGGTGCGCCTTCCCTTTCTCTC
TCTGTGAAGAACTGCAGGAGGGCCCTCAGCTGTGAGGTTGTGGATGAACAGGCCTGTTCCGCCCTGGGGTCCGGG
CCTGGCACAGGAAGCAGCTAGACTAGGGGAGTCCTTGGAGCATCTGAGAGGGGTTTTCTTTCTTCTGGAAGAGT
CGCAAGTCTTATGAGGATGCCACAATCTGGGCAGTGACCCGTGGCCCTGGGGACCTTCCCTAGTGCCCCCAAAC
CAAGGAAGCATTACGTGAGATGGGGAGTCAGCCTTCCAGCTGGTGTGTAGGAAAGCCAGGTCCCTTGGGCCCTTG
TCCCATGTGGGGTTGAGATCCAGATCTCCATGAGATATTCCCATCCTCCGCCGAGCGGTGATGCGTGACCGTGTG
TGCAGGCCGCTGTTCTCCCAAGCTCGGGGCCATGCCGTGCCACCGTCAACCAGAGCCAGCTGCAGCACTGGGGCAG
CCACTGTGCGCCGACTTGGGGAAGCCCAGGGTGAAGACAGTCACTCATCCGTGCAAGCTCTCCAGAAGGGATGCA
AGCTCTCCAGAAGGGGTGTGATCTCTGAGCAGTGGGGAGTGGAGTCAACCACTCGGGACATAGAGGGTGGACAGTT
CAGGCCTGTGTCTGCCTCCTTGGGACTGTGGAGTGGGTGCCCTCAGTAAAGCGCTTTGTTGGAATGGTAAAAAA
AAAAAAAAAAAAAA

6408/6881
FIGURE 5916

MKLTRKMLTRAKASELHVRKLNWGSRLTDISICQEMPSLEVITLSVNSISTLEPVSRQRLSELYLRRNRIP
SLAELFYLKGLPRLRVLWLAENPCCGTSPHRYRMTVLRITLRLQKLDNQAVTEEELSRALSEGEEITAAPEREGT
GHGGPKLCCTLSSLSSAAETGRDPLDSEEEATSGAQDERGLKPPSRGQFPSLSARDASSSHRGRNVLTAILLLLR
ELDAEGLEAVQQTIVGSRLQALRGEEVQEHA

6409/6881
FIGURE 5917

CGCGCGGCTGAGGCGAGGTCGCTCGGCGCAGCTGTTGCGGGGCC**ATG**CGGGGACCGCGCTCAAGAGGCTGATGG
CCGAGTACAAACAATTAACACTGAATCCTCCGGAAGGAATTGTAGCAGGCCCATGAATGAAGAGAACTTTTTTG
AATGGGAGGCATTGATCATGGGCCCAGAAGACACCTGCTTTGAGTTTGGTGTTTTTCTGCCATCCTGAGTTTCC
CACTTGATTACCCGTTAAGTCCCCCAAAGATGAGATTTACCTGTGAGATGTTTCATCCCAACATCTACCCTGATG
GGAGAGTCTGCATTTCCATCCTCCACGCGCCAGGCGATGACCCCATGGGCTACGAGAGCAGCGCGGAGCGGTGGA
GTCTGTGCAGAGTGTGGAGAAGATCCTGCTGTCGGTGGTGAGCATGCTGGCAGAGCCCAATGACGAAAGTGGAG
CTAACGTGGATGCGTCCAAATGTGGCGCGATGACCGGGAGCAGTTCTATAAGATTGCCAAGCAGATCGTCCAGA
AGTCTCTGGGACTG**TGAG**ACCTGGCCTCGCACAGGCGCGCACACACCGCCAAGCAGCTCAGCATTCTCCCCGGC
ACACTTAGTGACAGTGATGCTCTGTGCTGGTACCAAACAAGGCAGACTTGCAAGAACCATGGCATCTTTTTTTTT
TTTCAAACCTTTCTACTTCAAACAGGCTTCTCTTCTGAAATGATGACTTAATGTGCAATATTGACAGCTTACTG
CAGTTTTACAGTATTCCTCACAAAGGGCTTCAGGTAGATTATCAGAGCTGTCAGCACTACCTCTCCCCGCTGAAA
CCAGCAGTTTCATGGCTTCTGTGGATTCCCTCCCTCCCTGGAGTGTGAGGGGGTTGTACCTGCCAGACTTCCAG
GGGACGATGGAATACCCAGAACGCTCCTTCTGAAGAAATGGGGCCCTGTAGCTGCAGCACAGGGGAAGGGCCCGG
CACCCTTTCTGGGTCTTCTGTTCCCTGIGGGCCCCATGAGGAGTCCATTACTTCTTCTTCCCTTCATATTT
TACAGGCAGATGCTTTTTCTTATAATCTAATTACATCTTTTCATTTGTTATATATTACAAACCATCACACTTAGAA
ATACTTCCAGGAAATGCTTTTTTGAAGTGTGAATTAATAAGAAATGGGGTAAATAGAAAAGAAATTTATTGCTGA
TTGGCCAGGTGCGGTGGTTCGTGCCTGTAATCCAGCTCTTTGGGAGGCCAAGGCAGGTAGATCACAAAGTCCAGG
AAATTGAGACCATCCTGGCTAATACAGTGAAACCCCATGTCTGCTAAAATTACAAAAAATTAGCTGGGCGTGGTG
GTGCACGCCTGTAGTCTCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTGAACCCGGGAGGCAGAGGTAGCA
GTGAGCTGAAGTCCCGCCACTGCCTCCAGCCTGGGCAACAGAGCGGAGACTCAGTCTCAAAAAGAAAAAGAAAT
TTATTGCTGATCACAAAGGACAGACAGTTTTTTCCCGACCATACTCATCAAAGATTTACGTTTGTATATTAGTAAC
TAGTGCAATTACTAGAGCAGGTGCAGGTGAGGTCTTTAAAGTTTCAATGAAAGTTTCTTCTGGATCTACAGAAAA
ATTTTTTTTTTCAATCTAAAACTGGAATTTCTAGGGTTTTTGTACATTTTGGATGCACTGGGAATTTATTAGC
ACAAAAATCATTTCTTGAACCTCAAAATTCAGAAGGGACTCTACCATATCTTAGCTCAGAGCACAGAGGAGTGCC
TATCCCCACACTTGACTGGGCTGTGGAGGTGGGCATGTGGGCCCCCTGGGCCCAGGCTGGGGACAGAGCCCTTGTT
TTGTGACTTAGGATTTTGATGTGGTTCCCATGTTCTCTAACAGGGCCAGCTGAGCAGCACAGGCCAGGAGGCCAC
AGTGTAAAGCAATAACAGATCTGCCACATGCAGAAGCAAATATCAGGCCTGTGCGCACAGGGCGGCATTTAAATAG
GAATTTCTATTTTGAATAAGGGATGGTCTATGAGGCATACAGTAGATTTGATGTGATCCTTTTCTCCCTCCCT
TCCATAATGGATCGTGGTCTGTGTGACTGAACCCACACAGAGTGTGATGGGTGACAGTTTCTGGTTGAAGTAGCT
CCACGCCTGGCTTCTGTGGACAGCAGATTCTTTTCTTCTCACAAGGGGCTCATTTAAAAATTTGGAGGCTGGGTG
CTGTGGCTCACGCCTGCAATCCCAGCACTTTGGGAGACTGAGGCGGGCGGATCATGAGGTGAGGAGATCGCGACC
ATCCTGGCTAACAGTGAAACCCCTGTCTCCACTAAAAATACAAAAAATTAGCCGGGCGTGGTGGCGGGCGCCTGTA
GTCCAGCTACTCTGAAGACTGAGGCAGGAGAATGGCGTGAACCCAGGAGGCGGAGCTTGCACTGAGCTGAGATC
ACGCCACTGCACTCCAGCCTGGGCAACAGAGTGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAATGGAACGCAG
GGCAAGAACTCGTATTTGGAAGGAGATGGGGGAAAGGAGCGGTATTATACCTATGTTGTATTTGCAGGCAAATGA
GATGGAGCCCTCTCTGTAAAGAAGAGTCATTTGTGCAAGTAGACGGGGTCTGTGGGTGCAGGCCCTGGAGGGGCA
CACAATTGCTGAGGCTTCTGTGAGATCGGGAGAGGGAGGAGAGGCAGTCTCTTGACAAAATAAAGTATTTTAA
TTCATTTGTATTTATTAAATGAAAAACAATCCCATGGTGTCCCTGTTGTGTGGTGGAACCTAATGACTGTTGAA
ATAAAGTTCTGTGTTTTCCCTGCCCTGC

6410/6881
FIGURE 5918

MAGTALKRLMAEYKQLTLNPPEGIVAGPMNEENFFEWREALIMGPEDTCFEGVFPAILSFPLDYPLSPPKMRFTC
EMFHPNIYPDGRVCISILHAPGDDPMGYESSAERWSPVQSVEKILLSVVSMLAEPNDESGANVDASKMWRDDREQ
FYKIAKQIVQKSLGL

6411/6881
FIGURE 5919

AGCCACGTGACCCCCGTGCCGGCCAACGGGTGCGCCGGGATTTGGGGGATAAAGCGCGGCCCCGCGCACAGTTGC
GGCGGGAGAGCGGGCGGGGCCGAGAGCGTGAATCGCCCGCTCCGCGCTGCTTCCCCCGCGCCGCTCCCCGCGCCG
CTCGCGCAGCCATGTCCGAGGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCAACCTGAAGGTGG
CCGGGCGAGGACGGCTCCGTGGTGCAGTTCAAGATCAAGAGGCACACGCCGCTGAGCAAGCTGATGAAGGCCTACT
GCGAGAGGCAGGGCTTGTCAATGAGGCAGATCAGATTCAGGTTTCGACGGGCAGCCAATCAATGAAACTGACACTC
CAGCACAGCTGGAGATGGAGGACGAGGACACCATCGACGTGTTCCAGCAGCAGACGGGAGGTGTGCCGGAGAGCA
GCCTGGCAGGGCACAGTTTCTAGAGGGCCCGTCCCCAGCCCGGGCCGTCCATCCTCGCATTGCTGTTGAATGGTG
AGCACGTGACCATGCCGACCACAAAGGTGTCTGCGGAAACTCGAGGACATTCACCACGATGATTTTCTCTCTTT
GATGTACTTCAAGTGCAACTCAAACTATATCTGCAGGGATGAATCTGTAACCTAAATTGGGCCAATCAGAATTG
TTATCTTTGTTTCAGGTAAAATGAGTTGCAAGATATTGTGGGTACTTTTGTGTGCTCATTGTGTTTTCCCCCCT
CCTACAACATTTTTTTAACCCCAAATATAGCCTGAATGTTTCGCTTTTAGTCIGGCCAGGGATCTGACTCCTGA
GTTGGTTGCCTCTCCCTGCTCACTCCAGTCACATAGAGAATTGGTGTTCGCCGAGTGGGGATGCAGCTGTTGG
ACAGGTATTGGGGCAAGGTTGGTAGGGAGGACAGACTGTCACCTGCTGTTACAGGCACAGGTGATTAAAATGCT
AAATATTGCAAATTTAAGCTTTGTCAGTATATGGAAAAGTTGAAGGGAAAATACTGGAATGCTTCTTCAAAGGTT
AAAAAATAACCGAGTCTTTTGGTAATTTGACCCACGTGCTCTCTGGCCCTCAAGCATGTAACCTCGGGGTCTGA
GGCCCAGGACCCACCCCTGCCACCCCTCCACCCCACTCCCTGCTCAGTACCTGGCGTTGGTACACAGGCAAG
GATTGGCACAACCAAATTTGGCCTTTTTCTCCCTCTTAATATTGAAGAAATTCACATTTCTCATTGTTGTAATG
GTGTTGTGGCCTCAGATTTCTTCTAGTATTTGCTTCTGATGAATGATTATGGTCTATACATAAAAAAGTAAGACT
AAGTATTGCTGAATTTGCAGTTATGTTGTCGTGTATAAGAGCTACTTCCAAGTGTGGTTACAAATGAACCCATGG
AATGATGACTTCATGTTCTTCTCGTGGGTTTGTGCCGTGCTGCTTCCAAATAGGTATTGAATTTATGCATTAGT
CTGGTGATTTCAAGTTCTGTGAAATATTTTGGGATCTATACCAATTAAACATTTTCATAGTTCTGCCTATTGTCTT
TCCCTGAGGCTCCATTGCTGCTTGGTGGCCATTCTCTGCCTTTTACAGTCACCTGAACAATGACCCATCATCTC
TTGCTTGCTTGAATCTTGCTGAAATGTTCTCATTTCCTGTTGCTGTATGGGCTCGGGTGGGATGTTTGTGGC
TCTGTTGTGTTTATTCACCAATTTGTACATTATTTGTTGTCCTTTACTACTGTAAACAGTAAATATAGTTTGGT

6412/6881
FIGURE 5920

MSEEEKPKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETDTPAQL
EMEDEDTIDVFQQQTGGVPESLAGHSF

6413/6881
FIGURE 5921

[illegible]

6414/6881
FIGURE 5922

MAPGVARGPTPYWRLRLGGAALLLLLIPVAAAEPPGAACSONTKTCEECLKNVSLWCNTNKACLDYPVTSVL
PPASLCKLSSARWVCWVNFEALIIITMSVVGTTLLGIAICCCCCRRKRSRKPDRSEEKAMREREERRIRQEER
RAEMKTRHDEIRKKYGLFKEENPYARFENN

6415/6881
FIGURE 5923

TGTCAGGACTTTACGACCCGCGCCTCCAGCTGAGGTTTCTAGACGTGACCCAGGGCAGACTGGTAGCAAAGCCCC
CACGCCCAGCCAGGAGCACC GCCGAGGACTCCAGCACACCGAGGGACATGCTGGGCTGCGCCCCCCTGCTCG
CCCTGGTGGGGCTGCTCTCCCTCGGGTGCCTCTCTCAGGAGTGCACGAAGTTCAAGGTCAGCAGCTGCCGGG
AATGCATCGAGTCGGGGCCCGCTGCACCTGGTGCCAGAAGCTGAACTTCACAGGGCCGGGGGATCCTGACTCCA
TTCGCTGCGACACCCGCCACAGCTGCTCATGAGGGGCTGTGCGGCTGACGACATCATGGACCCACAAGCCTCG
CTGAAACCCAGGAAGACCACAATGGGGGCCAGAAGCAGCTGTCCCCACAAAAGTGACGCTTTACCTGCGACCAG
GCCAGGCAGCAGCGTTCAACGTGACCTTCCGGCGGGCCAAGGGCTACCCCATCGACCTGTACTATCTGATGGACC
TCTCCTACTCCATGCTTGATGACCTCAGGAATGTCAAGAAGCTAGGTGGCGACCTGCTCCGGGGCCCTCAACGAGA
TCACCGAGTCCGGCCGCATTGGCTTCGGGTCTTTCGTGGACAAGACCGTGCTGCCGTTTCGTGAACACGCACCCTG
ATAAGCTGCGAAACCCATGCCCCAACAAGGAGAAAGAGTGCCAGCCCCGTTTGCCTTCAGGCACGTGCTGAAGC
TGACCAACAACCTCCAACCGATTTTCAGACCGAGGTGCGGAAGCAGCTGATTTCCGGAAACCTGGATGCACCCGAGG
GTGGGCTGGACGCCATGATGCAGGTGCGCGCTGCCGCGAGGAAATCGGCTGGCGCAACGTACGCGGCTGCTGG
TGTTTGCCACTGATGACGGCTTCCATTTGCGGGGCGACGGGAAGCTGGGCGCCATCCTGACCCCCAACGACGGCC
GCTGTCACCTGGAGGACAACCTGTACAAGAGGAGCAACGAATTCGACTACCCATCGGTGGGCCAGCTGGCGCACA
AGCTGGCTGAAAACAACATCCAGCCCATCTTCGCGGTGACCAGTAGGATGGTGAAGACCTACGAGAACTCACCG
AGATCATCCCCAAGTCAGCCGTGGGGGAGCTGTCTGAGGACTCCAGCAATGTGGTCCAACCTCATTAGAATGCTT
ACAATAAACTCTCTCCAGGGTCTTCTGGATCACAACGCCCTCCCCGACACCCCTGAAAGTCACCTACGACTCCT
TCTGCAGCAATGGAGTGACGCACAGGAACCAGCCCAGAGGTGACTGTGATGGCGTGACATCAATGTCCCAGTCA
CCTTCCAGGTGAAGGTCACGGCCACAGAGTGCATCCAGGAGCAGTCGTTTGTATCCGGGCGCTGGGCTTCACGG
ACATAGTGACCGTGACGGTTCTTCCCCAGTGTGAGTGCCGGTGCCGGGACCAGAGCAGAGACCGCAGCCTCTGCC
ATGGCAAGGGCTTCTTGGAGTGCGGCATCTGCAGGTGTGACACTGGCTACATTGGGAAAACTGTGAGTGCCAGA
CACAGGGCCGGAGCAGCCAGGAGCTGGAAGGAAGCTGCCGGAAGGACAACAACCTCCATCATCTGCTCAGGGCTGG
GGGACTGTGTCTGCGGGCAGTGCTGTGCCACACCAGCGACGTCCCCGGCAAGCTGATATACGGGCGAGTACTGCG
AGTGTGACACCATCAACTGTGAGCGCTACAACGGCCAGGTCTGCGGCGGGCCGGGGAGGGGGCTCTGCTTCTGCG
GGAAGTGCCGCTGCCACCCGGGCTTTGAGGGCTCAGCGTGCCAGTGCGAGAGGACCACTGAGGGCTGCCTGAACC
CGCGGCGTGTTGAGTGTAGTGCTGCTGGCCGGTGCCGCTGCAACGTATGCGAGTGCCATTACGGCTACCAGCTGC
CTCTGTGCCAGGAGTGCCCCGGCTGCCCTCACCTGTGGCAAGTACATCTCTGCGCCGAGTGCCCTGAAGTTTCG
AAAAGGGCCCCCTTTGGGAAGAACTGCAGCGCGGCGTGTCCGGGCTGCAGCTGTGGAACAACCCCGTGAAGGGCA
GGACCTGCAAGGAGAGGGACTCAGAGGGCTGCTGGGTGGCTACACGCTGGAGCAGCAGGACGGGGATGGACCGCT
ACCTCATCTATGTGGATGAGAGCCGAGAGTGTGTGGCAGGCCCAACATCGCCGCCATCGTCGGGGGACCGGTGG
CAGGCATCGTGCTGATCGGCATTCTCCTGCTGGTATCTGGAAGGCTCTGATCCACCTGAGCGACCTCCGGGAGT
ACAGGCGCTTTGAGAAGGAGAAGCTCAAGTCCCAGTGGAACAATGATAATCCCCCTTTTCAAGAGCGCCACCACGA
CGGTATGAACCCCAAGTTTGCTGAGAGTTAGGAGCACTTGGTGAAGACAAGGCCGCTCAGGACCCACCATGTCTG
CCCCATCACGCGGCCGAGACATGGCTTGCCACAGCTCTTGAGGATGTACCAATTAACCAGAAATCCAGTTATTT
TCCGCCCTCAAAATGACAGCCATGGCCGGCGGGTGCTTCTGGGGGCTCGTCGGGGGGACAGCTCCACTCTGACT
GGCACAGTCTTTGCATGGAGACTTGAGGAGGGAGGGCTTGAGGTTGGTGAGGTTAGGTGCGTGTTTCTGTGCAA
GTCAGGACATCAGTCTGATTAAAGGTGGTGCCAATTTATTTACATTTAACTTGTGAGGGTATAAAATGACATCC
CATTAAATTATATTGTTAATCAATCACGTGTATAGAAAAAAATAAACTTCAATACAGGCTGTCCATGG

6416/6881
FIGURE 5924A

AGCTCCAGCCGCACTGCCCCGATGGCTCCCTACCCCTGTGGCTGCCACATCCTGCTGCTGCTCTTCTGCTGCCTG
GCGGCTGCCCGGGCCAACCTGCTGAACCTGAACCTGGCTTTGGTTCAATAATGAGGACACCAGCCATGCAGCTACC
ACGATCCCTGAGCCCCAGGGGCCCCCTGCCTGTGCAGCCACAGCAGATAACCACCACACACGTGACCCCCCGAAT
GGTTCACAGAGCCAGCGACAGCCCCTGGCAGCCCTGAGCCACCCTCAGAGCTGCTGGAAGATGGCCAGGACACC
CCCACTTCTGCCGAGAGCCCCGACGCGCCAGAGGAGAACATTGCCGGTGTGCGAGCCGAGATCCTGAACGTGGCC
AAAGGCATCCGGAGCTTCGTCCAGCTGTGGAATGACACTGTCCCCACTGAGAGCTTGGCCAGGGCGGAAACCCTG
GTCCTGGAGACTCCTGTGGGCCCCCTTGCCCTCGCTGGGCCTTCCAGCACCCCCAGGAGATGGGACCACTCTC
TGGCCAGCCGTGGCATTCTTAGCTCTCCGGGCGCCACACAACCGAGGCTGGCACCTTGCCTGCACCCACCCCA
TCGCTCCCTCCCTGGGCAGGCCCTGGGCACCACTCACGGGGCCCTCAGTGCCACCACCATCTTCAGAGCGCATC
AGCGAGGAGGTGGGGCTGCTGCAGCTCCTTGGGGACCCCCGCCCCAGCAGGTACCCAGACGGATGACCCCGAC
GTCGGGCTGGCCTACGTCTTTGGGCCAGATGCCAACAGTGGCCAAGTGGCCCCGGTACCACTTCCCCAGCCTCTTC
TTCCGTGACTTCTCACTGCTGTTCCACATCCGGCCAGCCACAGAGGGCCCCAGGGGTGCTGTTCCGCATCACGGAC
TCGGCGCAGGCCATGGTCTTGTGCTGGGCGTGAAGCTCTCTGGGGTGCAGGACGGGCACCAAGGACATCTCCCTGCTC
TACACAGAACAGGTGCAGGCCAGACCCACACAGCCGCCAGCTTCCGGCTCCCCGCCTTCGTGCGCCAGTGGACA
CACTTAGCCCTCAGTGTGGCAGGTGGCTTTGTGGCCCTCTACGTGGACTGTGAGGAGTTCAGAGAATGCCGCTT
GCTCGGTCTCACGGGGCCTGGAGCTGGAGCCTGGCGCCGGGCTCTTCGTGGCTCAGGCGGGGGAGCGGACCCT
GACAAGTTCCAGGGGGTGATCGCTGAGCTGAAGGTGCGCAGGGACCCCCAGGTGAGCCCCATGCACTGCCTGGAC
GAGGAAGGCGATGACTCAGATGGGGCATCCGGAGACTCTGGCAGCGGGCTCGGGGACGCCCCGGGAGCTTCTCAGG
GAGGAGACGGGCGCGGCCCTAAAACCCAGGCTCCCCGCGCCACCCCCCGTACCACGCCACCCTTGCTGGAGGC
AGCAGCACGGAAGATTCCAGAAGTGAAGAAGTCGAGGAGCAGACCACGGTGGCTTCGTTAGGAGCTCAGACACTT
CCTGGCTCAGATTCTGTCTCCACGTGGGACGGGAGTGTCCGGACCCCTGGGGGCCGCGTGAAAGAGGGCGGCCTG
AAGGGGCAGAAAGGGGAGCCAGGTGTTCCGGCAGGGCCTCCGGGGAGGGACGGCACCCCTGGAAGGGACGGCGAG
CCGGGCGACCCCGGTGAAGACGGAAGCCGGGCGACACCGGGCCACAAGGCTTCCCCGGGACTCCAGGGGACGTA
GGTCCCAAGGGCGACAAGGGAGACCCTGGGGTTGGAGAGAGAGGGCCCCCAGGACCCCAAGGGCCTCCAGGGCCC
CCAGGACCCTCCTTCAGACACGACAAGCTGACCTTCATTGACATGGAGGGATCTGGCTTCGGGGCGATCTGGAG
GCCCTGCGGGGTCTTCGAGGCTTCCCTGGACCTCCCGGACCCCCCGGTGTCCAGGCTTCCCGGCGAGCCAGGC
CGCTTTGGGGTGAACAGCTCCGACGTCCAGGACCCGCGGCCTTCCTGGTGTGCTGGGCGCGAGGGTCCCCC
GGGTTTCTGGCCTCCCGGGACCCCCAGGCCCTCCGGGAAGAGAGGGGCCCCCAGGAAGGACTGGGCAGAAAGGC
AGCCTGGGTGAAGCAGGCGCCCCAGGACATAAGGGGAGCAAGGGAGCCCCCGGTCTGTGCTGGTGTGCTGGGGAG
AGCGGCCTGGCAGGAGCCCCCGGACCTGCTGGACCACAGGCCCCCTGGGCCCCCTGGGCCCCCAGGACCAGGA
CTCCCCGTGGATTGATGACATGGAAGGCTCCGGGGGGCCCTTCTGGTCAACAGCCCCGAAGCGCTGATGGGCCA
CAGGGACCTCCCGGCCTGCCGGGACTTAAGGGGGATCCTGGCGTGCTGGGCTGCCGGGGGCGAAGGGAGAAGTT
GGAGCAGATGGAGTCCCCGGGTTCCCCGGCCTCCCTGGCAGAGAGGGCATTGTGGGCCCCAGGGGCCAAAGGGA
GACAGAGGCAGCCGGGGAGAAAAGGGAGATCCAGGGAAGGACGGAGTCGGGCAGCCGGGCCTCCCTGGCCCCC
GGACCCCCGGGACCTGTGGTCTACGTGTGCGAGCAGGACGGATCCGTCTGAGCGTGCCGGGACCTGAGGGCCGG
CCGGGTTTCGCAGGCTTTCCCGGACCTGCAGGACCCAAGGGCAACCTGGGCTCTAAGGGCGAACGAGGCTCCCCG
GGACCCAAGGTGAGAAGGGTGAACCGGGCAGCATCTTCAGCCCCGACGGCGGTGCCCTGGGCCCCTGCCAGAAA
GGAGCCAAGGTGAGGGCCGGGCTTCCGAGGACCCCCGGGTCCATACGGACGGCCGGGTACAAGGGAGAGATTGG
CTTCTCTGGACGGCCGGGTGCCCCGGGATGAACGGATTGAAAGGAGAGAAAAGGGGAGCCGGGAGATGCCAGCCT
TGGATTGGCATGAGGGGAATGCCCGGCCCCCAGGACCTCCAGGGCCCCCAGGCCCTCCAGGGACTCCTGTTTA
CGACAGCAATGTGTTTGCTGAGTCCAGCCGCCCGGGCCTCCAGGATTGCCAGGGAATCAGGGCCCTCCAGGACC
CAAGGGCGCCAAAGGAGAAGTGGGCCCCCCCCGACCACAGGGCAGTTTCCGTTTGACTTCTTCAGTTGGAGGC
TGAAATGAAGGGGAGAAAGGGAGACCGAGGTGATGCAGGACAGAAAGGCGAAAGGGGGAGCCGGGGGCGGCGG
TTTCTTCGGCTCCAGCCTGCCCGGCCCCCCCCGGCCCCCAGGCCCCCAGGCCCCACGTGGCTACCTGGGATTCC
AGGTCCCAAGGGAGAGAGCATCCGGGGCCAGCCCGGCCACCTGGACCTCAGGGACCCCCCGGCATCGGCTACGA
GGGGCGCCAGGGCCCTCCCGGCCCCCAGGCCCCCAGGGCCCCCTTCATTTCTGGCCCTCACAGGACAGACTAT
CAGCGTTCCCGGCCCCCTCCGGGCCCCCTGGGCCCCCTGGGCCCCCTGGAACCATGGGCGCCTCCTCAGGGGTGAG
GCTCTGGGCTACACGCCAGGCCATGCTGGGCCAGGTGCACGAGTTCCCGAGGGCTGGCTCATCTTCGTGGCCGA

6417/6881
FIGURE 5924B

GCAGGAGGAGCTCTACGTCCGCGTGCAAGACGGGTTCCGGAAGGTCCAGCTGGAGGCCCGGACACCACTCCCACG
AGGGACGGACAATGAAGTGGCCGCCCTTGCAGCCCCCGTGGTGCAGCTGCACGACAGCAACCCCTACCCGCGGGC
GGAGCACCCCCACCCACCGCGCGGGCCCTGGCGGGCAGATGACATCCTGGCCAGCCCCCTCGCCTGCCCGAGCC
CCAGCCCTACCCCGGAGCCCCGCACCACAGCTCCTACGTGCACCTGCGGCCGGCGCGACCCACAAGCCACCCGC
CCACAGCCACCGCGACTTCCAGCCGGTGCTCCACCTGGTTGCGCTCAACAGCCCCCTGTACGGCGGCATGCGGGG
CATCCGCGGGGCCGACTTCCAGTGCTTCCAGCAGGCGCGGGCCGTGGGGCTGGCGGGCACCTTCCGCGCCTTCCT
GTCTCGCGCCTGCAGGACCTGTACAGCATCGTGCGCCGTGCCGACCGCGCAGCCGTGCCCATCGTCAACCTCAA
GGACGAGCTGCTGTTTCCCAGCTGGGAGGCTCTGTTCTCAGGCTCTGAGGGTCCGCTGAAGCCCGGGGCACGCAT
CTTCTCCTTTGACGGCAAGGACGTCCTGAGGCACCCACCTGGCCCCAGAAGAGCGTGTGGCATGGCTCGGACCC
CAACGGGCGCAGGCTGACCGAGAGCTACTGTGAGACGTGGCGGACGGAGGCTCCCTCGGCCACGGGCCAGGCCTC
CTCGCTGCTGGGGGGCAGGCTCCTGGGGCAGAGTGCCGCGAGCTGCCATCACGCCTACATCGTGCTCTGCATTGA
GAACAGCTTCATGACTGCCTCCAAGTAGCCACCGCCTGGATGCGGATGGCCGGAGAGGACCGCGGCTCGGAGGA
AGCCCCCACCCTGGGCGAGGAGCGGCCGCGCCAGCCCCCTGGCCCCAGGACCTGGCTGCCATACTTTCTGTATAGT
TCACGTTTTCATGTAATCCTCAAGAAATAAAAGGAAGCCAAAGAGTGATTTTTTTTTAAAGTTTAAACAGAAGCC
TGATGCTGACATTACCTGCCCAACTCTCCCTGACCTGTGAGCCAGCTGGGTACGGCAGGGTGACGTATCAT
GCCCTGTGCAACCTCTTGGCCTGATCAGACCACGGCTCGATTTCTCCAGGATTTCTGCTTTGGGAAGCCGTGCT
CGCCCCAGCAGGTGCTGACTTCATCTCCACCTAGCAGCACCGTTCTGTGCACAAAACCCAGACCTGTTAGCAGA
CAGGCCCCGTGAGGCAATGGGAGCTGAGGCCACACTCAGCACAAAGGCCATCTGGGCTCCTCCAGGGTGTGTGCTC
GCCCTGCGGTAGATGGGAGGGAGGCTCAGGTCCCTGGGGCTAGGGGGAGCCCCCTTCTGCTCAGCTCTGGGCCATT
CTCCACAGCAACCCAGGCTGAAGCAGGTTCCCAAGCTCAGAGGCGCACTGTGACCCCCAGCTCCGGCCTGTCTCT
CCAACACCAAGCACAGCAGCCTGGGGCTGGCCTCCCAAATGAGCCATGAGATGATACATCCAAAGCAGACAGCTC
CACCCTGGCCGAGTCCAAGCTGGGAGATTCAAGGGACCCATGAGTTGGGGTCTGGCAGCCTCCCATCCAGGGCCC
CCATCTCATGCCCCTGGCTGGGACGTGGCTCAGCCAGCACTTGTCAGCTGAGCGCCAGGATGGAACACGGCCAC
ATCAAAGAGGCTGAGGCTGGCACAGGACATGCGGTAGCCAGCACACAGGGCAGTGAGGGAGGGCTGTCATCTGTG
CACTGCCCATGGACAGGCTGGCTCCAGATGCAGGGCAGTCATTGGCTGTCTCCTAGGAAACCCATATCCTTACCC
TCCTTGGGACTGAAGGGGAACCCCGGGGTGCCACAGGCCGCCCTGCGGGTGAACAAAGCAGCCACGAGGTGCAA
CAAGGTCCTCTGTGAGTACAGCCACCCCTGAGATCCGGCAACATCAACCCGAGTCATTGTTCTGTGGAGGGAC
AAGTGGACTCAGGGCAGCGCCAGGCTGACCACAGCACAGCCAACACGCACCTGCCTCAGGACTGCGACGAAACCG
GTGGGGCTGGTTCTGTAAATTGTGTGTGATGTGAAGCCAATTACAGACAGGCAAATAAAAGTGACCTTTTACACTG

6418/6881
FIGURE 5925

GGCCGTTGAGGAGGTGCAGGGAGAGGAGCGGGAGGGCTCTGGGTGGCTGCCAAGGGGGAGCTCTGCGCTCAGACC
CTCAACTAAGACCAGGAGGTGCCTGATGAGGCCCCAGCCTGCAGAGCCAGCTCCTGGTGGGAAGAGGAAATGAGGC
ATGCTCCATTCAATTCGGAGGTCACGAACGAGATCACGCCGGTGCTGTCGTACTCCTACCTGGCCGTGCTGGTGCC
CGTGTTCTGCTCACCAGCTACCTGCGCTACACGCCGGTGCTGCTGCTGCAGGGGGCTCAGCTTCGTGTCGGTGCTG
GCTGCTGCTGCTGCTGGGCCACTCGGTGGCGCACATGCAGCTCATGGAGCTCTTCTACAGCGTCACCATGGCCGC
GCGCATCGCCTATTCCTCCTACATCTTCTCTCTCGTGCGGCCCGCGCGCTACCAGCGTGTGGCCGGCTACTCGCG
CGCTGCGGTGCTGCTGGGCGTGTTACACAGCTCCGTGCTGGGCCAGCTGCTGGTCACTGTGGGCCGAGTCTCCTT
CTCCACGCTCAACTACATCTCGCTGGCCTTCCTACCTTCAGCGTGGTCCTCGCCCTCTTCCTGAAGCGCCCCAA
GCGCAGCCTCTTCTTCAACCGCGACGACCGGGGGCGGTGCGAAACCTCGGCTTCGGAGCTGGAGCGCATGAATCC
TGGCCCAGGCGGGAAGCTGGGACACGCCCTGCGGGTGGCCTGTGGGGACTCAGTGCTGGCGCGGATGCTGCGGGA
GCTGGGGG

6419/6881
FIGURE 5926A

CACTCTGGCTGGGAGCAGAAGGCAGCCTCGGTCTCTGGGCGGCGGCGGCGGCCACTCTGCCCTGGCCGCGCTGT
GTGGTGACCGCAGGCCCCAGACATGAGGGCGGCGCGTGTCTGTCTGCCCCCTGCTGTCTGCAGGCCTGCTGGACAGC
CGCGCAGGATGAGCCGGAGACCCCGAGGGCCGTGGCCTTCCAGGACTGCCCCGTGGACCTGTTCTTTGTGCTGGA
CACCTCTGAGAGCGTGGCCCTGAGGCTGAAGCCCTACGGGGCCCTCGTGGACAAAGTCAAGTCTTACCAAGCG
CTTCATCGACAACCTGAGGGACAGGTACTACCGCTGTGACCGAAACCTGGTGTGGAACGCAGGCGCGCTGCACTA
CAGTGACGAGGTGGAGATCATCCAAGGCCTCACGCGCATGCCTGGCGGCGCGACGCACTCAAAAGCAGCGTGGA
CGCGGTCAAGTACTTTGGGAAGGGCACCTACACCGACTGCGCTATCAAGAAGGGGCTGGAGCAGCTCCTCGTGGG
GGGCTCCACCTGAAGGAGAATAAGTACCTGATTGTGGTGACCGACGGGCACCCCTGGAGGGCTACAAGGAACC
CTGTGGGGGGCTGGAGGATGCTGTGAACGAGGCCAAGCACCTGGGCGTCAAAGTCTTCTCGGTGGCCATCACACC
CGACCACCTGGAGCCGCGTCTGAGCATCATCGCCACGGACCACACGTACCGGCGCAACTTCACGGCGGCTGACTG
GGGCCAGAGCCGCGACGCAGAGGAGGCCATCAGCCAGACCATCGACACCATCGTGGACATGATCAAAAATAACGT
GGAGCAAGTGTGCTGCTCCTTCGAATGCCAGCCTGCAAGAGGACCTCCGGGGCTCCGGGGCGACCCCGGCTTTGA
GGGAGAACGAGGCAAGCCGGGGCTCCAGGAGAGAAGGGAGAAGCCGGAGATCCTGGAAGACCCGGGGACCTCGG
ACCTGTTGGGTACCAGGGAATGAAGGGAGAAAAGGGAGCCGTGGGGAGAAGGGCTCCAGGGGACCCAAGGGCTA
CAAGGGAGAGAAGGGCAAGCGTGGCATCGACGGGGTGGACGGCGTGAAGGGGGAGATGGGGTACCCAGGCCTGCC
AGGCTGCAAGGGCTCGCCCCGGTTTGACGGCATTCAAGGACCCCTGGCCCCAAGGGAGACCCCGGTGCCCTTTGG
ACTGAAAGGAGAAAAGGGCGAGCCTGGAGCTGACGGGGAGGCGGGGAGACCAGGGAGCTCGGGACCATCTGGAGA
CGAGGGCCAGCCGGGAGAGCCTGGGCCCCCGGAGAGAAAGGAGAGGGCGGGGACCCAGGCACGCGGGGACCAAGAGG
CGGTGCCCCCGGGGAGCGGGGTGGCCCTGGAGAGAGAGGACCACGGGGGACCCAGGCACGCGGGGACCAAGAGG
AGACCCTGGTGAAGCTGGCCCCGAGGGTGATCAGGGAAGAGAAGGCCCGTTGGTGTCCCTGGAGACCCGGGCGA
GGCTGGCCCTATCGGACCTAAAGGCTACCGAGGCGATGAGGGTCCCCAGGGTCCGAGGGTGCCAGAGGAGCCCC
AGGACCTGCCGACCCCTGGAGACCCGGGGCTGATGGGTGAAAGGGGAGAAGACGGCCCCGCTGGAAATGGCAC
CGAGGGCTTCCCCGGCTTCCCCGGGTATCCGGGCAACAGGGGCGCTCCCGGATAAACGGCACGAAGGGCTACCC
CGGCCTCAAGGGGGACGAGGGAGAAGCCGGGGACCCCGAGACGATAACAACGACATTGCACCCCGAGGAGTCAA
AGGAGCAAAGGGGTACCGGGGTCCCCGAGGGCCCCAGGGACCCCGAGACACCAAGGACCGCCTGGGCCGGACGA
ATGCGAGATTTTGACATCATCATGAAAATGTGCTCTTGCTGTGAATGCAAGTGCAGCCCCATCGACCTCCTGTT
CGTGTGGACAGCTCAGAGAGCATTGGCCCTGCAGAACTTCGAGATTGCCAAGGACTTCGTGCTCAAGGTATCGA
CCGGCTGAGCCGGGACGAGCTGGTCAAGTTCGAGCCAGGGCAGTCGTACGCGGGTGTGGTGCAGTACAGCCACAG
CCAGATGCAGGAGCACGTGAGCCTGCGCAGCCCCAGCATCCGGAACGTGCAGGAGCTCAAGGAAGCCATCAAGAG
CCTGCAGTGGATGGCGGGCGGCACCTTCACGGGGGAGGCCCTGCAGTACACGCGGGACAGCTGCTGCCGCCAG
CCGAACAACCGCATCGCCCTGGTCACTGACGGGCGCTCAGACACTCAGAGGGACACCACACCGCTCAACGT
GCTCTGCAGCCCCGGCATCCAGGTGGTCTCCGTGGGCATCAAAGACGTGTTTGACTTCATCCAGGCTCAGACCA
GCTCAATGTCAATTTCTTGCCAAGGCCTGGCACCATCCAGGGCCGGCCCGGCTCTCGCTGGTCAAGGAGAACTA
TGCAGAGCTGCTGGAGGATGCCTTCCTGAAGAATGTCACCGCCAGATCTGCATAGACAAGAAGTGTCCAGATTA
CACCTGCCCCATCACGTTCTCCTCCCCGGCTGACATCACCATCCTGCTGGACGGCTCCGCCAGCGTGGGCAGCCA
CAACTTTGACACCACCAAGCGCTTCGCCAAGCGCCTGGCCGAGCGCTTCCTCACAGCGGGCAGGACGGACCCCGC
CCACGACGTGCGGGTGGCGGTGGTGCAGTACAGCGGCACGGGCCAGCAGCGCCAGAGCGGGCGTGCCTGCAGTT
CCTGCAGAACTACAGGCCCTGGCCAGTGCCGTGATGCCATGGACTTTATCAACGACGCCACCGACGTCAACGA
TGCCCTGGGCTATGTGACCCGCTTCTACCGCGAGGCCTCGTCCGGCGCTGCCAAGAAGAGGCTGCTGCTCTTCTC
AGATGGCAACTCGCAGGGCGCCACGCCCCGCTGCCATCGAGAAGGCCGTGCAGGAAGCCAGCGGGCAGGCATCGA
GATCTTCGTGGTGGTCTGTGGGCGCCAGGTGAATGAGCCCCACATCCGCGTCTGGTACCGGCAAGACGGCCGA
GTACGACGTGGCCTACGGCGAGAGCCACCTGTTCCGTGTCCCCAGCTACAGGGCCCTGCTCCGCGGTGTCTTCCA
CCAGACAGTCTCCAGGAAGGTGGCGCTGGGCTAGCCACCCCTGCACGCCGGCACCAAAACCCTGTCTCCACCCC
TCCCCACTCATCACTAAACAGAGTAAAATGTGATGCGAATTTTCCCGACCAACCTGATTGCTAGATTTTTTTTA
AGGAAAAGCTTGGAAGCCAGGACACAACGCTGCTGCCTGCTTTGTGAGGGTCCCTCCGGGGCTCAGCCCTGAGT
TGGCATCACCTGCGCAGGGCCCTCTGGGGCTCAGCCCTGAGCTAGTGTACCTGCACAGGGCCCTCTGAGGCTCA
GCCCTGAGCTGGCGTCACCTGTGCAGGGCCCTCTGGGGCTCAGCCCTGAGCTGGCCTCACCTGGGTTCCCCACCC
CGGGCTCTCCTGCCCTGCCCTCCTGCCCGCCCTCCCTCCTGCCTGCGCAGCTCCTTCCCTAGGCACCTCTGTGCT

6420/6881

FIGURE 5926B

GCATCCCACCAGCCTGAGCAAGACGCCCTCTCGGGGCCTGTGCCGCACTAGCCTCCCTCTCCTCTGTCCCCATAG
CTGGTTTTTCCCACCAATCCTCACCTAACAGTTACTTTACAATTAAACTCAAAGCAAGCTCTTCTCCTCAGCTTG
GGGCAGCCATTGGCCTCTGTCTCGTTTTGGGAAACCAAGGTCAGGAGGCCGTTGCAGACATAAATCTCGGCGACT
CGGCCCCGTCTCCTGAGGGTCCTGCTGGTGACCGGCCTGGACCTTGGCCCTACAGCCCTGGAGGCCGCTGCTGAC
CAGCACTGACCCCGACCTCAGAGAGTACTCGCAGGGGCGCTGGCTGCACTCAAGACCCTCGAGATTAACGGTGCT
AACCCCGTCTGCTCCTCCCTCCCGCAGAGACTGGGGCCTGGACTGGACATGAGAGCCCCTTGGTGCCACAGAGGG
CTGTGTCTTACTAGAAACAACGCAAACCTCTCCTTCCTCAGAATAGTGATGTGTTCGACGTTTTATCAAAGGCCC
CCTTTCATGTTTCATGTTAGTTTTGCTCCTTCTGTGTTTTTTCTGAACCATATCCATGTTGCTGACTTTTCCAA
ATAAAGGTTTTCACTCCTC

1

6421/6881
FIGURE 5927

TGCTGTGGAACTCTTCTGGGGCCCCGGGGGGGACTACCTGCTGCGGTGTGCATTGCAGGAGTGTGACGTCATG
ACCTACGTGAGGGAGACCTGCGGGTGTGCGGTGAGGCACTGCCCACGGCAGGGTCGGGGCCCATGCACCGGGTG
GAGGGCGGGAGTGCAGCAGGGCTGGGTCACTGCTGGGTCTGTCATGTGCACGTGACCCTAGGGTCTGAGGTCTCC
CCGGTACCCCCGATGACCCTGCCACCCCCCAGACTGTGAGAAGCGCTGTGGCGCCCTGGACGTGGTCTTCGTC
ATCGACAGCTCCGAGAGCATTGGGTACACCAACTTCACACTGGAGAAGAACTTCGTCATCAACGTGGTCAACAGG
CTGGGTGCCATCGCTAAGGACCCCAAGTCCGAGACAGGTGAGCGGGGCAGGGGCGGGTGCAGCATTGCGGGGGGC
CGGGCGGGGCGTGGGAGGCGATGAGATGGGAGAAGTCCAGACGCGTCCCTCCAACGAGGGCCTCTGCATGGCTGG
GGATGCCCCAGACCCCGAGGCCTCTGGCAACGACCTCACGCGTGCGGCTTGAGGGACGCGTGTGGGCGTGGTGC
AGTACAGCCACGAGGGCACCTTTGAGGCCATCCAGCTGGACGACGAACGTATCGACTCCCTGTCGAGCTTCAAGG
AGGCTGTCAAGAACCTCGAGTGGATTGCGGGCGGCACCTGGACACCCTCAGCCCTCAAGTTTGCCTACGACCGCC
TCATCAAGGAGAGCCGGCGCCAGAAGACACGTGTGTTGCGGTGGTCAACGACGGGCGCCACGACCCCTCGGG
ACGATGACCTCAACTTGCGGGCGCTGTGCGACCGCGACGTACAGTGACGGCCATCGGCATCGGGGACATGTTCC
ACGAGAAGCACGAGAGTGAAAACCTCTACTCCATCGCCTGCGACAAGCCACAGCAGGTGCGCAACATGACGCTGT
TCTCCGACCTGGTCTGCTGAGAAGTTCATCGATGACATGGAGGACGTCTCTGCCCCGGGTGAGCGTGTGGGCGCGG
GGCAGTGGGCGGAGGAGCAGCAGGCCCCAGCCGCTGTCTAGCGTGAGCCCCAGGGACACCCCTCACCTGAGGGAT
GAATGTGCAGCCCAGGATCTTGGGCTGTGGGTGGGAAGGGGTGCGGGCCCTCTCGGGGCTGCAGGGCAGAGGCCAG
CTGCACCCTGAGCCTGTCTAGGCAGATCAGTGAACGGCCGCTGAGGGTTCGCTAGGGACTGACCCTGGCCTGGCC
CGGCCTCTCTCCTCTCTTCCAGACCCTCAGATCGTGTGCCCGACCTTCCCTGCCAAACAGGTAATGCAGGGCAC
CCTGAGCCACCACCCAGACTAGCAAAGCAGCCCTGGTGTCTTCTCCTCGAGGGCCGGGCTGGGGGAGGGGCC
GTGCAGGGACCCGGGGGGCGGCGGAGCCACTGCGGAGGCTGCTCCTTAGGGAGATGGCCCCAGGATGGCAGCACA
GGGGAGGAGGGGCTTGGGGAAGGCAGGCTCCCAGGAACGCAGGAACAGCATCACGAGGCCATGAGGTGGGTGCTG
CTAGCCTGGCGCTGTGCTCGGCATGTGGCCACTGGTCTTGAAGGCCACCATGGGCCTTGAGTCTCCCTCAGCT
GCCGCCAGCTCCCATGGGCTGGCCGTGCATGTGCCACTCGGAGGAAGCCCTGGATTAGTGAGTGAACCATCC
CGGGGTGGAAGCACTGACACCCCCAGCACCAGCAGGTCTTGCTCCAACCCTGGCCTGCCTCGGAGCTGCAGCTG
CGGCTCTCACATCTCTGGGAGTGGGGGAGCCCATGTCCCGGATGTGGCCACGTGGGTGTGAAGCTGGAGCTGGG
GGTGCCGTCCAGGCTCTGCTGGACGTGGTGTGCCCCCATGGTGCACGTGCTGCACCGTACCTGGGCCACAGGAG
GTCCCCGGGGGCGTTAGGAGCTGAGTCCCCCTCAGTGAGCCGTCCCCCTCAGGAGTGTGAGGGTAGGGATGCCAT
GGAGACAGGGTGGGAGGGTCCGACCTGGAGGACCACAGGGAGGAAACCTCAGGGTCTGCGGTACGAAGTCAGCGC
TTCCTCAGCACGCGGGTTCGCGGTGTGCGTTGCGGCGTTCCATGGGGAG

6422/6881
FIGURE 5928

GCAGTGAAAATGTTATTAGTTTTGAGGGGGTTTGGGAAGCCCAGCGGTACCTGAGGAGTTTCTGGACATTTAAGC
CGGTTCCCTAGGTGTGGCCTTAACAGGGAGGCTGCCCTTCCTTTCACTGAATGAGCTGCGTCACTCATAAGCTCAC
TGAGGGAACCCCATCTGCCAGCTCGTGCGTGCTCAGACGGCGTCCATGTCTCAAGCGTTCTGTGAAGGCTGCGGT
GCAGCGTGAGGTACCCCTGCTGTGTTCAGAGCTTTGCTCACTGCCTGCGGGGCTGGACCGTTGCACCTCCAGGGC
CCCCAGAAACCGAGTTTCGGGTGAGGGTCCCTCTGTGTGCATTCTGGGGGTCCATGTACCAGCTGTGACGACGTC
CAGGGGTGGGCTGAGAAGCAGACACCCCTTGGGGAACTGGCTCTGTCCCTCCCCCTCCCCATCCAGGAGCTGA
GGTCTTGGTGAGGCCACAGGGCCAGGTCCACGCAAGGACTGTCCGTGTCTGTCTGTGGTCTCTGGCCCCACGT
GACACCCACACGTGTGGTAGGCAGCCTGGCCTGGGTGTGGCTATGGCCAGGCCCCAAGCTGTCCCCGATGCC
AGGGCTGGTGACCACCCAGGCAGGTGGGGGCCCCACTTGGTAACAGAGTCATAGGGCAGAACCCACCTGGGCTGC
CACAGAAGGTCTGGCTGCCCCGTGTGCCACTGTCTCCCAACCATGGCCAATCAGAAGAGTCAGGGGCTCCTGGTCT
TTCCGGGAGGGACGTGGCCAGCCAGCTCTAGGTGTTCTGAGCAGCTCTGGGACCCAGCGATTGAGGGGTGAGGC
TGGGGGTGTGAGAGCCAGGGTCCCTCCTTAAGTACCTCCACACTACACAGACAGTGGCCCTTTTGTGGGCAGCAA
ATTCTTGAGCCATGAAAGGATGCTTTGGGCCCTTCCCTCCCAGGAGGGCAGCCTGTGCAGGGATGGTGCTCAGC
AGGTGGACAGGGCCTGGGGCCTGTGTGTCAGGGTCTCAGGCCTGGGAGCACCAGCAGAGGAGATGGCGGCTCCCAGC
AGTGCCGCTGAAAGTGTCTTGGGCTAAGGACCCACACCCAGGGCTGCCCTGCAGAAACGCCCCCGCAGAGCCCA
GTGGTCTGTGAGGTTGCAGGCAGGGTGCGAATGGAAGGGCACAGGTGCGGGGCTGGCACCTGCCCGGTCTTGCCC
ACCTCCCCCTCCGCCCAGCCCGCACCTGCGTCTCCCCACAGAGCTGTCCGTGGCACAGTGCACGCAGCGGCCCGTG
GACATCGTCTTCTGCTGGACGGCTCCGAGCGGCTGGGTGAGCAGAACTTCCACAAGGCCCCGGCGCTTCTGTGGAG
CAGGTGGCGCGCGGCTGACGCTGGCCCGGAGGGACGACGACCCTCTCAACGCACGCGTGGCGCTGCTGCAGTTT
GGTGGCCCCGCGAGCAGCAGGTGGCCTTCCCGCTGAGCCACAACCTCACGGCCATCCACGAGGCGCTGGAGACC
ACACAATACCTGAACTCCTTCTCGCACGTGGGCGCAGGCGTGGTGCACGCCATCAATGCCATCGTGCGCAGCCCCG
CGTGGCGGGGCCCCGAGGCACGCAGAGCTGTCTTCGTGTTTCTCACGGACGGCGTCACGGGCAACGACAGTCTG
CACGAGTCGGCGCACTCCATGCGCAAGCAGAACGTGGTACCCACCGTGCTGGCCTTGGGCAGCGACGTGGACATG
GACGTGCTCACCACGCTCAGCCTGGGTGACCGCGCCGCGGTGTTCCACGAGAAGGACTATGACAGCCTGGCGCAA
CCCGGCTTCTTCGACCGCTTCATCCGCTGGATCTGCTAGCGCCGCGCCCGGGCCCCGAGTCGAGGGTCTGTGAG
CCCACCCCGTCCATGGTGCTAAGCGGGCCCGGTCCACACGGCCAGCACCGCTGCTCACTCGGACGACGCCCTG
GGCCTGCACCTCTCCAGCTCCTCCCACGGGGTCCCCGTAGCCCCGGCCCCCGCCAGCCCCAGGTCTCCCCAGGC
CTCCGCAGGCTGCCCCGGCCTCCCTCCCCCTGCAGCCATCCCAAGGCTCCTGACCTACCTGGCCCCCTGAGCTCTG
GAGCAAGCCCTGACCCAATAAAGGCTTTGAACCC

6423/6881
FIGURE 5929

CACGAGGCGCTGGAGACCACACAATACCTGAACTCCTTCTCGCACGTGGGCGCAGGCGTGGTGCACGCCATCAAT
GCCATCGTGCGCAGCCCGCGTGGCGGGGGCCGGAGGCACGCAGAGCTGTCCTTCGTGTTCCCTACGGACGGCGTC
ACGGGCAACGACAGTCTGCACGAGTCGGCGCACTCCATGCGCAAGCAGAACGTGGTACCCACCGTGCTGGCCTTG
GGCAGCGACGTGGACATGGACGTGCTCACCACGCTCAGCCTGGGTGACCGCGCCGCCGTGTTCCACGAGAAGGAC
TATGACAGCCTGGCCTCCCTCCCCCTGCAGCCATCCCAAGGCTCCTGACCTACCTGGCCCCTGAGCTCTGGAGCA
AGCCCTGACCCAATAAAGGCTTTGAACC

6424/6881
FIGURE 5930

CCGGAGGCACGCAGAGCTGTCCTTCGTGTTCCCTCACGGACGGCGTCACGGGCAACGACAGTCTGCACGAGTCGGC
GCACTCCATGCGCAAGCAGAACGTGGTACCCACCGTGCTGGCCTTGGGCAGCGACGTGGACATGGACGTGCCCAC
CCCGTCCATGGTGCTAAGCGGGCCCCGGGTCCACACGGCCAGCACCGCTGCTCACTCGGACGACGCCCTGGGCCT
GCACCTCTCCAGCTCCTCCACGGGGTCCCCGTAGCCCCGGCCCCCGCCCAGCCCCAGGTCTCCCCAGGCCCTCC
GCAGGCTGCCCCGGCCTCCCTCCCCCTGCAGCCATCCCAAGGCTCCTGACCTACCTGGCCCCCTGAGCTCTGGAGCA
AGCCCTGACCCAATAAAGGCTTTGAACCC

6425/6881
FIGURE 5931

CCCTTGCTACTGCTCATGGGTGTGGAGACTGATATTCTGGAAGACTGATAGGCAGATTACTATTAACAAACAC
ATAGTCTGTGGCCAGCAAAGCCACCCCAATCCCTGCACAAGGGTAAAAGGCCAGCATTAGAGCACTGCAGCAGC
AATGACGGAGGGGCACGTGTCTGCGGCGCCGAGGGGGCCCTACAAGACCGAGCCCGCCACCGACCTCGGCCGCTG
GCGACTCAACTGCGAGAGGGGGCCGGCAGACGTGGACCTACCTGCAGGACGAGCGCGCCGGCCGCGAGCAGACCGG
CCTGGAAGCCTACGCCCTGGGGCTGGACACCAAGAATTACTTTAAGGACTTGCCCAAAGCCCACACCGCCTTTGA
GGGGGCTCTGAACGGGATGACATTTTACGTGGGGCTGCAGGCTGAGGATGGGCACCTGGACGGGTGATTATGGTGG
CCCCTTTTCTCCTGCCAGGCCTCCTGATCACTTGCCACGTGGCAGCATCCCTCTGCCAGCCGGATACAGAGA
AGAGATTGTGCGGTACCTGCGGTCACTGCAGCTCCCTGACGGTGGCTGGGGCCTGCACATTGAGGATAAGTCCAC
CGTGTITGGGACTGCGCTCAACTATGTGTCTCTCAGAATTCTGGGTGTTGGGCCTGACGATCCTGACCTGGTACG
AGCCCGGAACATTCTTCACAAGAAAGGTGGTGCTGTGGCCATCCCTCCTGGGGGAAGTTCTGGCTGGCTGTCT
GAATGTTTACAGCTGGGAAGGCCTCAATACCCTGTTCCAGAGATGTGGCTGTTTCTGACTGGGCACCGGCACA
CCCCTCCACACTCTGGTGCCTGCGGCAGGTGTACCTGCCCATGAGCTACTGCTACGCCGTTTCGGCTGAGTGC
CGCGGAAGACCCGCTGGTCCAGAGCCTCCGCGCAGGAGCTCTATGTGGAGGACTTCGCCAGCATTGACTGGCTGGC
GCAGAGGAACAACGTGGCCCCGACGAGCTGTACACGCCCCACAGCTGGCTGCTCCGCGTGGTATATGCGCTCCT
CAACCTGTATGAGCACCACCACAGTGGCCACCTGCGGCAGCGGGCCGTGCAGAAGCTGTATGAACACATTGTGGC
CGACGACCGATTACCAAGAGCATCAGCATCGGCCGATCTCGAAAACCATCAACATGCTTGTGCGCTGGTATGT
GGACGGGCCCCGCTCCACTGCCTTCCAGGAGCATGTCTCAGAATCCCGGACTATCTCTGGATGGGCCTTGACGG
CATGAAAATGCAGGGCACCAACGGCTCACAGATCTGGGACACCGCATTGCCATCCAGGCTCTGCTTGAGGCGGG
CGGGCACACAGGCCCGAGTTTTCGTCTGCTGCAGAAGGCTCATGAGTTCTGAGGCTCTCACAGGTCCAGAG
TAACCTCCCGACTACCAGAAGTACTACCGCCAGATGCGCAAGGGTGGCTTCTCCTTACGTACGCTGGACTGCGG
CTGGATCGTTTTCTGACTGCACGGCTGAGGCCTTGAAGGCTGTGCTGCTCCTGCAGGAGAAGTGTCCCCATGTAC
CGAGCACATCCCCAGAGAACGGCTCTGCGATGCTGTGGCTGTGCTGCTGAACATGAGAAATCCAGATGGAGGGTT
CGCCACCTATGAGACCAAGCGTGGGGGGCATTGCTGGAGCTGCTGAACCCCTCGGAGGTCTTCGGGGACATCAT
GATTGACTACACCTATGTGGAGTGCACCTCAGCCGTGATGCAGGCGCTTAAGTATTTCCACAAGCGTTTCCCGGA
GCACAGGGCAGCGGAGATCCGGGAGACCCTCACGCAGGGCTTAGAGTTCTGTGCGCGGCAGCAGAGGGCCGATGG
CTCCTGGGAAGGCTCCTGGGGAGTTTGCTTACCTACGGCACCTGGTTTGGCCTGGAGGCCTTCGCTGTATGGG
GCAGACCTACCGAGATGGGACTGCCTGTGCAGAGGTCTCCCGGCCTGTGACTTCTGTGCTCCCGGCAGATGGC
AGACGGAGGCTGGGGGGAGGACTTTGAGTCCTGCGAGGAGCGCGTTATTTGCAGAGTGCCCGATCCAGATCCA
TAACACATGCTGGGCCATGATGGGGCTGATGGCGTTTCGGCATCCTGACATCGAGGCCAGGAGAGAGGAGTCCG
GTGTCTACTTGAGAAACAGCTCCCCAATGGCGACTGGCCGCAGGAAAACATTGCTGGGGTCTTCAACAAGTCTG
TGCCATCTCCTACACGAGCTACAGGAACATCTTCCCCTCTGGGCCCTCGGCCGCTTCTCCAGCTGTACCCTGA
GAGAGCCCTTGCTGGCCACCCCT**TGA**GAACATGCCTACCTGCTGGGTGCCGTCTGTGCGTTCCAGTGAGGCCAAGG
GGTCTGGCCGGGTTGGGGAGCCCTCCATAACCTGTCTTGGGCTCCAACCCCTCAACCTCTATCTCATAGATG
TGAATCTGGGGGCCAGGCTGGAGGCAGGGATGGGGACAGGGTGGGTGGCTTAGACTCTTGATTTTACTGTAGGT
TCATTTCTGAAAGTAGCTTGTGCGGCTTGGGTGAGGAAGGGGGCACAGGAGCCGTGACCCCTGAGGAGGCACAGC
GCCTTCTGCCACCTCTGGGCACGGCCTCAAGGTAGTGAGGCTAGGAGGTTTTTTCTGACCAATAGCTGAGTTCTT
GGGAGAGGAGCAGCTGTGCCTGTGTGATTCTTAGTGTGAGTGGGCTCTGGGCTGGGGTGGCCCTGGGCAGGC
TTCTCCTGCACCTTTTGTCTGCTGGGCTGAGGGACACGAGGGCAACCCTGTGACAATGGCAGGTAGTGTGCATCC
GTGAATAGCCAGTGCGGGGGTGTCTATGGAGCATCCTGAGGCCGTGCAGCAGGGAGCCCCATGCCCTGGGTC
GTGAGCTTGCCTGCGTATGGGGTGGTGTCTATGGAGCCTCATGCCCTGGGTGCTGAGCTCGCCTGAGTATGGGGT
GGTGTCTATGGAGCCGCATACCCCTGGGTGTGAGCTCGCCTGCATATGCAGGGTCTGTCTATGGAACATCCCAAGT
CTGTGCAGCAGGGAGCCCCATGCCCTGGGACATGAACCCACCTGCGTGGAATGCTGTTTGTGAGGTGTCTACAG
GGTTTATAGTAGTCTTGTGGACACAGAAATGCACAGGGGACACTTACGGACACAGA

6426/6881
FIGURE 5932

MTEGTCLRRRGGPYKTEPATDLGRWRLNCERGRQTWTYLQDERAGREQTGLEAYALGLDTKNYFKDLPPKAHTAFE
GALNGMTFYVGLQAEDGHWTGDYGGPLFLLPGLLITCHVARIPLPAGYREEIVRYLRSVQLPDGGWGLHIEDKST
VFGTALNYVSLRILGVGPDDPDLVRARNILHKKGGAVAIPSWGKFWLAVLNVSWEGLNTLFPBMWLFPDWAPAH
PSTLWCHCRQVYLPMSYCYAVRLSAAEDPLVQSLRQELYVEDFASIDWLAQRNNVAPDELYTPHSWLLRVVYALL
NLYEHHSALRQRAVQKLYEHIVADDRFTKSISIGPISKTIINMLVRWYVDGPASTAFQEHVSRIPDYLWMGLDG
MKMQGTNGSQIWDTAFAIQALLEAGGHRPEFSSCLQKAHEFLRLSQVPDNPPDYQKYRQMRKGGFSFSTLDCG
WIVSDCTAEALKAVLLLQEKCPHVTEHIPRERLCDAVAVLLNMNRNPDGGFATYETKRGGHLELLNPSEVFGDIM
IDYTYVECTSAVMQALKYFHKRFPEHRAAEIRETLTQGLEFCRRQQRADGSWEGSWGVCFTYGTWFGLEAFACMG
QTYRDGTACAEVSRACDFLLSRQMADGGWGEDFESCEERRYLSAQSQIHNTCWAMMGLMAVRHPDIEAQERGVR
CILEKQLPNGDWPQENIAGVFNKSCAISYTSYRNIFPIWALGRFSQLYPERALAGHP

6427/6881
FIGURE 5933A

GTAATACTTAATTACCTTCTAATAATTGGAGCAGAAGATGAACCCAACTAATCCTTTTCAGTGGGCAGCAGCCTAG
TGCTTTTTCGGCGTCTTCTAGTAATGTAGGAACACTTCCATCTAAGCCGCCATTTTCGATTTGGTCAACCTTCTCT
TTTTGGACAAAACAGTACCTTATCTGGGAAGAGCTCGGGATTTTCACAGGTATCCAGCTTTCCAGCGTCTTCTGG
AGTAAGTCATTCTCTTCAGTGCAAACATTAGGGTTTACCCAAACCTCAAGTGTGGACCTTTTCTGGACTTGA
GCACACTTCCACCTTTGTGGCTACCTCTGGGCCTTCAAGTTCATCTGTGCTGGGAAACACAGGATTTAGTTTTAA
ATCACCCACCAGTGTGGGGCTTTCCCAAGCACTTCTGCTTTTGGACAAGAAGCTGGAGAAATAGTGAACCTCTGG
TTTTGGGAAAACAGAATTACGCTTTAAACCTCTGGAAAATGCAGTGTCAAACCAATACTGGGGGCTGAATCTGA
GCCAGAGAAAACCCAGAGCCAAATTGCTTCTGGGTTTTTTACATTTTCCACCCAATTAGTAGTGCACCTGGAGG
CCTGGCCCCCTTTCTCTTTTCTCAAGTAACAAGTAGTTTCAGCTACCACTTCAAATTTTACCTTTTCAAACCTGT
TAGTAGTAATAATTCAATTATCTGCCTTTACCCCTGCTTTGTCAAACCAAAAATGTAGAGGAAGAGAAGAGAGGACC
TAAGTCAATATTTGGAAGTTCTAATAATAGCTTCAGTAGCTTCCCTGTATCATCTGCGGTTTTGGGCGAACCTTT
CCAGGCTAGCAAAGCAGGTGTGAGGCAGGGGTGTGAAGAAGCTGTTTCCAGGTGGAACCACTTCCAGCCTAAT
GAAAGGACTGAAAAGGAAGGAGGACCAGGATCGCTCCCCAAGGAGACATGGCCACGAGCCAGCAGAAGATTGGA
TCCTCTGTCCCGGGGCGATCATCTCCAGACAAACGACCTGTCCGCTGAATCGACCCCGGGGAGGTACTTTATT
TGGTCGGACGATACAGGATGTTTTCAAAGCAATAAGGAAGTAGGTGCTCTGGGCAACAAGGAGGCCAAAAAGGA
AACTGGCTTTGTTGAGTCTGCAGAAAGTGACCACATGGCTATCCCAGGAGGGAATCAGTCTGTCTGGCACCTTC
CCGATTCCAGGTGTGAATAAAGAGGAAGAACTGAAAGTAGAGAGAAGAAAGAAGATTCTCTAAGAGGAACTCC
GGCGCGTCAGAGTAACAGAAGCGAGAGCACAGACAGTCTTGGGGGCTTGTCTCCCTCTGAAGTCACAGCCATCCA
GTGCAAGAACATCCCTGACTACCTCAACGACAGGACCATTCTGGAGAACCATTTTGGCAAAATTGCTAAAGTGCA
GCGCATCTTTACCAGGCGCAGCAAAAAGCTTGCAGTGGTACATTTCTTTGATCATGCATCTGCAGCCCTGGCTAG
AAAGAAGGGGAAAAGTTTGCATAAAGACATGGCTATCTTTTGGCACAGGAAGAAAATAAGCCCCAATAAGAAACC
CTTTTCCCTGAAGGAGAAGAAACCAGGTGACGGTGAAGTCAGCCCAGCACAGAGGATGCACCTTTTACGACTC
TCCTCTTGGCAAGGCCGAGGGAGGACTGGTGTAGCAGCCTCCTGAATAAAAGCTCTCCAGTGAAGAAGCCAAG
TCTTCTAAAGGCCACCAATTCGAGGGAGACTCTTTTGAAGTCAAGCTCCGAGGGCTCCGAGGGCCTCGGGCCATG
TGTGCTCTCCCTCAGTACCCTGATAGGCACTGTGGCTGAGACATCCAAGGAGAAGTACCGCCTGCTTGACCAGAG
AGACAGGATCATGCGGCAAGCTCGGGTGAAGAGAACCAGTCTGGACAAAGCGAGGACTTTTGTGGCACCTGCCT
GGATATGTGTCTGAGAAGGAGAGGTACATGCGGGAGACCCGTAGCCAGCTGAGCGTGTTCGAAGTGGTCCCAGG
GACTGACCAGGTGGACCACGCAGCAGCTGTGAAAGAGTACAGTCGGTCTCCGCGGATCAGGAGGAGCCCCCTGCC
CCACGAGCTGCGGCCCTTGCCAGTGTCTCAGCAGGACCATTGGACTACCTGGTGACCCAGATCATGGACCAGAAGGA
GGGCAGCTGCGGGATTGGTATGACTTCGTGTGGAACCGCACGCGTGGCATACGGAAGGATATCACGCAGCAGCA
CCTCTGTGACCCCTGACGGTGTCCCTGATTGAGAAGTGACCCCGTTTACATCCACTGTGCCCACTTCATGTG
TGAGGAGCCCATGTCTCTTTGATGCCAAGATCAATAATGAGAACATGACCAAGTGCCTGCAGAGCCTGAAGGA
GATGTACCAGGACCTGAGAAACAAGGTGTCTTCTGTGCCAGCGAAGCGGAGTTCCAGGGCTACAATGTTCTGCT
CAGTCTCAACAAGGGAGACATCCTAAGAGAAGTACAACAGTTCCATCCTGCTGTTAGAAACTCATCTGAGGTGAA
ATTTGCTGTTTACGGCTTTTGTGCTATTGAACAGTAATAATTTTGTGAGATTTTCAAACCTGGTCCAGTCAGCTTC
TTACCTGAACGCTTGTCTTTTACACTGTTACTTCAGTCAGATCCGCAAGGATGCTCTCCGGGCGCTCAACTTTGC
GTACACGGTGAGCACACAGCGATCTACCATCTTTCCCTGGATGGTGTGGTGCAGTGTCTGTGTTACAGACTG
TGAAGAGGCCACCGACTTCCTACCTGCCACGGCCTCACCGTTTCCGACGGCTGTGTGGAGCTGAACCGGTCTGC
ATTCCTGGAACCAGAGGGATTATCCAAGACCAGGAAGTCGGTGTATTACTAGGAAGCTGACGGTGTGAGTCGG
GGAAATTGTGAACGGAGGGCCATTGCCCCCGTCCCTCGTCACACCCCTGTGTGCAGCTTCAACTCCCAGAACAA
GTACATCGGGGAGAGCCTGGCCGCGGAGCTGCCCCGTCAGCACCCAGAGACCCGGCTCCGACACAGTGGGCGGAGG
GAGAGGAGAGGAGTGTGGTGTAGAGCCGATGCACCCCTGTCCAGTCTCCACAGTCTCTACCAGCCCTGCGCC
CTCACCAGTGCCTCTGCCTCTGTCTGGCACTGACCCCGTCTGTGGCGCCAGCCTCTTCCAGCTGTCTGTGCA
GCCTGAACCACCGCTCCAGAGCCCGTGGCCATGTACTCTGACGAGGACCTGGCGCAGGTGGTGGACGAGCTCAT
CCAGGAGGCCCTGCAGAGGGACTGTGAGGAAGTTGGCTCTGCGGGTGTGCTTACGCAGCTGCCGCCCTGGGTGT
TTCTAATGCTGCTATGGAGGATTTGTTAACAGCTGCAACCACGGGCATTTTGGAGCACATTGCAGCTGAAGAAGT
GTCTAAGGAAAGAGAGCGAAGGGAGCAGGAGAGGCAGCGGGCTGAAGAGGAAAGGTTGAAACAAGAGAGAGAGCT
GGTGTTAAGTGAGCTGAGCCAGGGCCTGGCCGTGGAGCTGATGGAACCGCTGATGATGAGGTTTGTGAGGGAAAC

6428/6881
FIGURE 5933B

CTGCTCCCAGGAGTTGAAGAATGCAGTAGAGACAGACCAGAGGGTCCGTGTGGCCCGTTGCTGTGAGGATGTCTG
TGCCCACTTAGTGGACTTGTTTCTCGTGGAGGAAATCTTCCAGACTGCAAAGGAGACCCCTCCAGGAGCTTCAGTG
CTTCTGCAAGTATCTACAGCGGTGGAGGGAAGCTGTACAGCCCGCAAGAACTGAGGCGCCAAATGCGGGCTTT
CCCTGCTGCGCCCTGCTGCGTGGACGTGAGCGACCGGCTGAGGGCGCTGGCGCCCAGCGCAGAGTGCCCCATTGC
TGAAGAGAACCTGGCCAGGGGCTCCTGGACCTGGGCCATGCAGGGAGATTGGGCATCTCTTGCACCAGGTTAAG
GCGGCTCAGAAACAAGACAGCTCACCAGATGAAGGTTTCAGCACTTCTACCAGCAGCTGCTGAGTGATGTGGCATG
GGCGTCTCTGGACCTGCCATCCCTCGTGGCTGAGCACCTCCCTGGGAGGCAGGAGCATGTGTTTTGGAAGCTGGT
GCTGGTGTGTCGGGATGTAGAGGAGCAGTCCCCAGAGAGTTGTGGCAGAATTCTAGCAAATTGGTTAAAAGTCAA
GTTTCATGGGAGATGAAGGCTCAGTGGATGACACATCCAGCGATGCTGGTGGGATTTCAGACGCTTTCGCTTTTCAA
CTCACTTAGCAGCAAAGGGGATCAGATGATTTCTGTAACTGTGTATAAAGGTGGCCCCATGGCGCCCTCAGTGA
TGGTGCCATTGATGCTGTGGAGACACAGAAGGACCTCCTGGGAGCCAGTGGGCTCATGCTGCTGCTTCCCCCAA
AATGAAGAGTGAGGACATGGCAGAGGAGGACGTGTACTGGCTGTGCGCCTTGCTGCAGCTCAAGCAGCTCCTGCA
GGCTAAGCCCTTCCAGCCTGCGCTTCCCTCTGGTGGTCTTGTGCTTAGCCCAGGAGGGGACGCCGTTGAGAAGGA
AGTAGAAGATGCTCTGATGCTACAGGACTTGTTTTAGCTAAGCTGATTTTCAGATTACACTGTTACCGAGATCCC
TGATACCATTAAATGATCTACAAGGTTCACTAAGGTTTTGCAAGCAGTGCAGTGGCTGGTTTCCCACTGCCCCCA
TTCCCTTGACCTCTGCTGCCAGACTCTCATTACGTACGTGCAAGACGGGATTGGCCATGAGTTTAGTGCCGCTT
TTTCCATGACAGAAGAGAGAGGCGTCTGGGCGGTCTTGCTTCTCAGGAGCCTGGCGCCATCATTGAGCTGTTTTAA
CAGTGTGCTGCAGTTCTTGGCTTCTGTGGTGTCTTGAACAGCTGTGTGACCTGTCTGGCCTGTCACTGAGTT
TGCTGAGGCAGGGGGCAGCCGGCTGCTTCCCTCACCTGCACCTGGAATGCCCCAGAGCACCTGGCCTGGCTGAAGCA
GGCTGTGCTCGGGTTCCAGCTTCCGCAGATGGACCTTCCACCCCTGGGGGCCCCCTGGCTCCCCGTGTGCTCCAT
GGTTGTCCAGTACGCTTCCAGATCCCCAGCTCACGCCAGACACAGCCTGTCTCCAGTCCCAGGTGGAGAACCT
GCTCCACAGAACCTACTGTAGGTGGAAGAGCAAGAGTCCCTCCCCAGTCCATGGGGCAGGCCCTCGGTTCATGGA
GATCCCATGGGATGATCTTATCGCCTTGTGTATCAACCACAAGCTGAGAGACTGGACGCCCCCGGCTTCCCTGT
TACATCAGAGGCGCTGAGTGAAGATGGTCAGATATGTGTGATTTTTTTTAAAAACGATTTGAAAAAATATGATGT
TCCTTTGTGCTGGGAACAAGCCAGGTTGCAGACGCAGAAGGAGCTACAGCTGAGAGAGGGACGTTTGGCAATAAA
GCCTTTTTCATCCTTCTGCAAACAATTTTCCCATACCATGCTTCACATGCACCGTAACCTGGAAGAGGAGCACAGA
GTGTGCTCAAGAGGGGAGGATTCCCAGCACAGAGGATCTGATGCGAGGAGCTTCTGCTGAGGAGCTCTTGGCGCA
GTGTTTGTGAGCAGTCTGCTGCTGGAGAAAGAAGAGAACAAGAGGTTTGAAGATCAGCTTCAGCAATGGTTGTC
TGAAGACTCAGGAGCATTTACGGATTTAACTTCCCTTCCCTCTATCTTCTCAGACTCTAGTGTCTCTTTCTCA
CACTATTGAACCTGTGATGAAAACATCTGTAACCTACTAGCCCACAGAGTGACATGATGAGGGAGCAACTGCAGCT
GTCAGAGGCGACAGGAACGTGTCTAGGCGAACGACTAAAGCACCTGGAAAGGCTGATCCGGAGTTCAAGGGAAGA
GGAAGTTGCCTCTGAGCTCCATCTCTCTGCGCTGCTAGACATGGTGGACATTGAGCAGCCTGACCTGTGGGGAG
GGGGTCTCTCCCGAAGAGTTTCTGTTTTTACTCAAAATAATGTTATTCTCAGATGCTTGATGCACTGTTGGAAAT
GTGATTAATTTAATCATGCAGATAAACCAATTTAAATGTC

6429/6881
FIGURE 5934

MNPTNPFSGQQPSAFSASSSNVGTLPSPKPPFRFGQPSLFGQNSTLSGKSSGFSQVSSFPASSGVSHSSSVQTLGF
TQTSSVGPFSGLEHTSTFVATSGPSSSSVLGNTGFSFKSPTSVGAFFPSTSAFGQEAGEIVNSGFGKTEFSFKPLE
NAVFKPILGAESEPEKTQSQIASGFFTFSHPISSAPGGLAPFSFPQVTSSSATTSNFTFSKPVSSNNSLSAFTPA
LSNQNVEEEKRGPKSIFGSSNNSFSSFPVSSAVLGEFFQASKAGVRQGCEEAVSQVEPLPSLMKGLKRKEDQDRS
PRRHGHEPAEDSDPLSRGDHPPDKRPVRLNRPRGGTLFGRTIQDVFKSNKEVGR LGNKEAKKETGFVESAESDHM
AIPGGNQSVLAPSRIPGVNKEEETESREKKEDSLRGTPARQSNRSESTD SLGGLSPSEVTAIQCKNIPDYLNDR
ILENHFGKIAKVQRIFTRRSKKLAVVHFFDHASAA LARKKGKSLHKDMAIFWHRKKISPNKKPFS LKEKKPGDGE
VSPSTEDAPFQHSPLGKAAGRTGASSLLNKSSPVKKPSLLKAHQFEGDSFDSASEGSEGLGPCVLSLSTLIGTVA
ETSKEYRLLDQDRIMRQARVKRTDLDKARTFVGTC LDMCPEKERYMRETRS QLSVFEVVP GTDQVDHAAVKE
YSRSSADQEEPLPHELRLPLVLSRTMDYLVTQIMDQKEGSLRDWYDFVWNRTRGIRK DITQQHLCDPLTVSLIEK
CTRFHIHCAHFMC EEPMS SFDKINNENMTKCLQSLKEMYQDLRNKG VFCASEAEFQGYNVLLSLNKGDILREVQ
QFHPAVRNSSEVKFAVQAFAALNSNNFVRFFKLVSAS YLNACLLHCYFSQIRKDALRALNFAYTVSTQRSTIFP
LDGVVRMLLFRDC EEATDFLTCHGLTVSDGCVELNRS AFLEPEGLSKTRKSVFITRKLTVSVGEIVNGGPLPPVP
RHTPVC SFNSQNKYIGESLAAELPVSTQRP GSDTVGGGRGEECGVEPDAPLSSLPQSLPAPAPSPVPLPPVLALT
PSVAPSLFQLSVQPEPPPPPEPVPMYSDEDLAQVVD ELIQEALQRDCEEVGSAGAA YAAAALGVSNAMEDLLTAA
TTGILRHIAAEVSKERERREQERQRAEEERLQKERELV LSELSQLAVELMERVMMEFVRETCSQELKNAVETD
QVRVARCCEDVCAHLVDLFLVEEIFQTAKETLQELQCFCKYLQRWREAVTARKKLRRQMRAFPAPCCVDVSDR
LRALAPSAECP IAEENLARGLLDLGHAGRLGISCTR LRRLRNKTAHQMKVQHFYQQLLSDVAWASLDLPSLVAEH
LPGRQEHVFWKLVLVLPDVEEQSPESCGRILANWLKV KFMGDEGSVDDTSSDAGGIQTL SLFNSLSKGDQMISV
NVCIKVAHGALSDGAIDAVETQKDLLGASGLMLLLP PKMKSEDMAEEDVYWL SALLQLKQLLQAKPFQPALPLVV
LVPSPGGDAVEKEVEDGLMLQDLVSAKLISDYTVTE IPDTINDLQGSTKVLQAVQWLVS HCPHSLDLCCQTLIQY
VEDGIGHEFSGRFFHRRERRRLGGLASQEPGAI IELFNSVLQFLASVVSSEQLCDLSWPVTEFAEAGGSRLPHL
HWNAP EHLAWLKQAVLGFQLPQMDLPPLGAPWLPVCS MVVQYASQIPSSRQTQPVLSQVENLLHRTYCRWKS KS
PSPVHGAGPSVMEIPWDDLIALCINHKL RDWTPPRLPV TSEALSEDGQICVYFFKNDLKKYDVPLSWEQARLQTQ
KELQLREGRLAIKPFHPSANNFPIPLLHMRNWK RSTECAQEGRIPSTEDLMRGASAEELLAQCLSSSLLLEKEE
NKR FEDQLQQWLS EDSGAFTDLTSLPLYLPQTLVSL SHTIEFVMKTSVTTSPQSDMMREQQLSEATGTCLGERL
KHLERLIRSSREEEVASELHLSALLDMVDI

6430/6881
FIGURE 5935

TGCCGCCCAGGACCCGCGAGAGACGACGCCTGCAGCAAGGAGACCAGGAAGGGGTGAGACAAGGAAGAGGATG
TCTGAGCTGGAGAAGGCCATGGTGGCCCTCATCGACGTTTTCCACCAATATTCTGGAAGGGAGGGAGACAAGCAC
AAGCTGAAGAAATCCGAAGTCAAGGAGCTCATCAACAATGAGCTTTCCCATTCTTAGAGGAAATCAAAGAGCAG
GAGGTTGTGGACAAAGTCATGGAACACTGGACAATGATGGAGACGGCGAATGTGACTTCCAGGAATTCATGGCC
TTTGTGGCCATGGTTACTACTGCCTGCCACGAGTTCTTTGAACATGAGTGAGATTAGAAAGCAGCCAAACCTTTC
CTGTAAACAGAGACGGTCATGCAAGAAAGCAGACAGCAAGGGCTTGCAGCCTAGTAGGAGCTGAGCTTTCCAGCCG
TGTGTAGCTAATTAGGAAGCTTGATTTGCTTTGTGATTGAAAAATTGAAAACCTCTTTCCAAAGGCTGTTTTAA
CGGCCTGCATCATTCTTTCTGCTATATTAGGCCTGTGTGTAAGCTGACTGGCCCCAGGGACTCTTGTTAACAGTA
ACTTAGGAGTCAGGTCTCAGTGATAAAGCGTGCACCGTGCAGCCCGCCATGGCCGTGTAGACCCTAACCCGGAGG
GAACCTGACTACAGAAATTACCCCGGGGCACCCTTAAACTTCCACTACCTTTAAAAACAAAGCCTTATCCAG
CATTATTTGAAAACACTGCTGTTCTTTAAATGCGTTTCTCATCCATGCAGATAACAGCTGGTTGGCCGGTGTGGC
CCTGCAAGGGCGTGGTGGCTTCGGCCTGCTTCCCGGGATGCGCCTGATCACCAGGTGAACGCTCAGCGCTGGCAG
CGTCTGGAAAAAGCAACTCCATCAGAACTCGCAATCCGAGCCAGCTCTGGGGGCTCCAGCGTGGCCTCCGTGAC
CCATGCGATTCAAGTCGCGGCTGCAGGATCCTTGCTTCCAACGTGCCCTCCAGCACATGCGGCTTCCGAGGGCACT
ACCGGGGGCTCTGAGCCACCGCGAGGGCCTGCGTTCAATAAAAAAG

6431/6881
FIGURE 5936

MSELEKAMVALIDVHFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKVMETLDNDGDGECDFQEFM
AFVAMVTTACHEFFEHE

6432/6881
FIGURE 5937

CGGCGACGGCCGGATGGCTGCGTGGGGCTGTGTGGCTGCGCTCGGCGCGGCGCGTGGGCTTTGCTGGCGGGCGGC
GCGCGCGGCTGCGGGGCTCCAGGGCCGCCCGCCCGCAGGTGCTATGCTGTGGGCCCCGCTCAGAGCCCACCCAC
CTTTGGGTTCCTGTTGGACATCGATGGAGTGCTTGTGCGGGGCCACAGAGTGATCCCTGCTGCTCTGAAAGCCTT
CCGAAGGCTGGTGAACCTCCAGGGGCGAGCTGCGGGTGCCGTGGTTTTTTGTTACAAATGCTGGGAACATCTTACA
ACACAGCAAAGCCCAGGAGCTGTGAGCCCTGCTGGGGTGCGAGGTGGATGCAGACCAAGTTATCCTCTCTCACAG
CCCCATGAAGCTCTTCTCCGAGTACCATGAGAAGCGGATGCTGGTGTCTGGACAGGGGCCCGTGATGGAAAATGC
CCAGGGACTGGGCTTCCGAAATGTCGTCACCGTGGATGAGCTGCGGATGGCCTTTCCTCTGCTTGACATGGTGA
CCTGGAGCGGCGGCTAAAGACCACGCCCCCTCCCGAGGAATGACTTCCCCCGCATTGAAGGGGTGCTCCTCCTAGG
GGAGCCGCTCCGCTGGGAGACCAGCCTGCAGCTGATCATGGATGTCTCCTCAGCAATGGGAGCCCTGGGGCTGG
CCTGGCAACACCCCCCTACCCCCACCTCCCCGTCTAGCCAGCAACATGGATCTCCTGTGGATGGCTGAAGCCAA
GATGCCCAGGTTTGGACATGGCACCTTCTGCTGTGCCTGGAAACCATTTACCAGAAAGTGACGGGCAAGGAGCT
GAGATACGAGGGCCTGATGGGCAAACCCAGCATCCTCACTTACCAGTATGCCGAGGACCTGATCAGGCGACAGGC
GGAGAGGCGGGGCTGGGCCGCCCCCATCCGGAAGCTCTATGCTGTGGGTGATAACCCATGCTCTGACGTATACGG
CGCCAACCTGTTCCACCAGTACCTGCAGAAGGCAACGCATGATGGGGCGCCAGAACTAGGGGCCGGGGGCACACG
GCAGCAACAGCCCTCAGCAAGCCAGAGCTGCATCTCCATCCTGGTGTGTACAGGCGTCTACAATCCCAGGAACCC
ACAGTCCACGGAGCCTGTCCTTGGAGGAGGGGAGCCTCCATTCCACGGGCACCGAGACTTATGCTTCAGTCCAGG
GCTCATGGAGGCCTCCACGTTGGTGAATGACGTGAATGAGGCTGTGCAGCTGGTCTTCCGCAAGGAGGGCTGGGC
TTTGGAGTGAAGGGCAGTGCGGTGGAGGTGAGGGGTGAGCCTGGACCTGTGGGCGAGTCCCATTTGGCTGGGCTCT
GGCCTGATCACTGGGCTCAGGTCAGGGCTTGGTTCCCTTGCCACCCCTTCTTGCTGCCCCATGAGTGTGGCATTAC
TGGTCACTTGGAAAGAACAGTGAAGTCTTTTTCCCTGCTGGGTAGCATTTTGTATGGAACGGTTGGAATTTTCTG
GGCCAGTTCCACGTCCTTTCGTGGCAGTCTAACCTCAGGCCATTCTCTTCCCCTGTGTGCCTCAGTGTCTT
CTCATTTCACTAGGGACTTCTGAAATGGGGGAGGCAGTGTGGAATACTGTGGATGTCTGTGCAGAGCCTTTGCCG
GCACTGAAGGCATGCAGCCTGTCGGCAGAGTGTCTTAACACCAGATGCTACTTTTTACTGTATTGTAGTTTATTG
CCCGGAGATGTGGGGCTTTTTTTTTTAAATAAAATAATCATAATAAATGTTTCATGATGCTGACTCTTGTGA

6433/6881
FIGURE 5938

MAAWGCVAALGAARGLCWRAARAAAGLQGRPARRCYAVGPAQSPPTFGFLLDIDGVLVRGHRVIPAALKAFRRLV
NSQGQLRVPVVFVTNAGNILQHSKAQELSALLGCEVDADQVILSHSPMKLFSEYHEKRMLVSGQGPVMENAQGLG
FRNVVTVDELRFMAFPLLDMVDLERRLKTTPLPRNDFPRIEGVLLLGEFVRWETSLQLIMDVLLSNGSPGAGLATP
PYPHLPVLASNMDLLWMAEAKMPRFGHGTFLLCLETIYQKVTGKELRYEGLMGKPSILTYQYAEDLIRRQAERRG
WAAPIRKLYAVGDNPMMSDVYGANLFHQYLQKATHDGAPELGAGGTRQQQPSASQSCISILVCTGVYNPRNPQSTE
PVLGGGEPPFHGHRDLCFSPGLMEASHVVNDVNEAVQLVFRKEGWALE

6434/6881
FIGURE 5939

GTGCACGTGCGCACGGCGACGGCCGGATGGCTGCGTGGGGCTGTGTGGCTGCGCTCGGCGCGGCGCGTGGGCTTT
GCTGGCGGGCGGCGCGCGCGGCTGCGGGGCTCCAGGGCCGCCCCGCCCGCAGGTGCTATGCTGTGGGCCCCGCTC
AGAGCCCACCCACCTTTGGGTTCCTGTTGGACATCAATGGAGTGCTTGTGCGGGGCCACAGAGTGATCCCTGCTG
CTCTGAAAGCCTTCCGAAGGCTGGTGAACCTCCAGGGGCAGCTGCGGGTGCCCGTGGTTTTTTGTTACAAATGCTG
GGAACATCTTACAACACAGCAAAGCCCAGGAGCTGTGAGCCCTGCTGGGGTGCGAGGTGGATGCAGACCAAGTTA
TCCTCTCTCACAGCCCCATGAAGCTCTTCTCCGAGTACCATGAGAAGCGGATGCTGGTGTCTGGACAGGGGCCCCG
TGATGGAAAATGCCCAGGGACTGGGCTTCCGAAATGTGCTACCGTGATGAGCTGCGGATGGCCTTTTCTCTGC
TTGACATGGTGGACCTGGAGCGGCGGCTAAAGACCACGCCCCCTCCCGAGGAATGACTTCCCCCGCATTGAAGGGG
TGCTCCTCCTAGGGGAGCCGGTCCGCTGGGAGACCAGCCTGCAGCTGATCATGGATGTCCTCCTCAGCAATGGGA
GCCCTGGGGCTGGCCTGGCAACACCCCCCTACCCCCACCTCCCCGTCTAGCCAGCAACATGGATCTCCTGTGGA
TGGCTGAAGCCAAGATGCCCAGGTTTGGACATGGCACCTTTCTGCTGTGCCTGGAAACCATTACCAGAAAGTGA
CGGGCAAGGAGCTGAGATACGAGGGCCTGATGGGCAAAACCAGCATCCTCACTTACCAGTATGCCGAGGACCTGA
TCAGGCGACAGGCGGAGAGGCGGGGCTGGGCGCCCCCATCCGGAAGCTCTATGCTGTGGGTGATAACCCTATGT
CTGACGTATACGGCGCCAACCTGTTCCACCAGTACCTGCAGAAGGCAACGCATGATGGGGCGCCAGAAGTAGGGG
CCGGGGGCACACGGCAGCAACAGCCCTCAGCAAGCCAGAGCTGCATCTCCATCCTGGTGTGTACAGGCGTCTACA
ATCCCAGGAACCCACAGTCCACGGAGCCTGTCCTTGGAGGAGGGGAGCCTCCATTCCAGGGCACCGAGACTTAT
GCTTCAGTCCAGGGCTCATGGAGGCCTCCACGTGGTGAATGACGTGAATGAGGCTGTGCAGCTGGTCTTCCGCA
AGGAGGGCTGGGCTTTGGAGTGAGGGCAGTGCAGTGGAGGTGAGGGGGTGAGCCTGGACCTGTGGGCGAGTCCCA
TTGGCTGGGCTCTGGCCTGATCACTGGGCTCAGGTCAGGGCTTGGTTCCCTTGCCACCCTTCTTGCTGCCCCATG
AGTGTGGCATTACTGGTCACTTGAAGAAGACAGTGACTCTTTTTCCCTGCTGGGTAGCATTTTGTATGGAACGG
TTGGAATTTTCTGGGCCAGTTCCACGTGCCTTTCGTGGCAGTCTAACCTCAGGCCATTCTCTTCCCCTGTGTG
CCTCAGTGTCTTCTCATTTTCAGTAGGGACTTCTGAAATGGGGGAGGCAGTGTGGAATACTGTGGATGTCTGTGC
AGAGCCTTTGCCGGCACTGAAGGCATGCAGCCTGTGCGCAGAGTGTCTTAACACCAGATGCTACTTTTTACTGTA
TTGTAGTTTATTGCCCGGAGATGTGGGGCTTTTTTTTTAAATAAAATAATCATAATAAATGTTTCATGATGCTGAA
AAAAAAAAAAAAAAAA

6435/6881
FIGURE 5940

MYAWFFLPFSFSQSPPTFGFLDIDGVLVRGHRVIPAAALKAFRRLVNSQGLRVPVVFVTNAGNILQHKAQELSA
LLGCEVDADQVILSHSPMKLFSEYHEKRLVSGQGPVMENAQGLGFRNVVTVDLRFMAFPLLDMVDLERRLKTTTP
LPRNDFPRIEGVLLLGEVVRWETSLQLIMDVLLSNGSPGAGLATPPYPHLPVLASNMDLLWMAEAKMPRFGHGT
LLCLETIYQKVTGKELRYEGLMGKPSILTYQYAEDLIRQAERRGWAAPIRKLYAVGDNPMDSVYGANLFHQYLQ
KATHDGAPELGAGGTRQQQPSASQSCISILVCTGVYNPRNPQSTEPVLGGGEPPFHGHRDLCFSPGLMEASHV
DVNEAVQLVFRKEGWALE

6436/6881
FIGURE 5941

AGGAACCGGAACCCGCGGTTATAAAGTAAAGGAACCCGAGATCTGCGCAGGGGTTCCTTTGCCGATTTCTCTCA
CCTCACCTTTCAAACCTAAACTCGAGCCTACTGTTACCGGCCTAGCATTGCTCTCGCCATGGCTCTCAGCGATG
CTGACGTGCAAAAGCAGATAAAGCATATGATGGCTTTTCATTGAACAAGAAGCCAATGAGAAAGCAGAAGAAATAG
ATGCAAAGGCAGAAGAAGAGTTCAACATAGAGAAAGGTCGGCTTGTCGCAAACCCAAAGACTAAAGATTATGGAAT
ATTATGAGAAGAAAGAGAAACAGATTGAGCAGCAGAAGAAAATTCAGATGTCCAATTTGATGAATCAAGCGAGAC
TCAAAGTCCTCAGAGCAAGAGATGACCTTATCACAGACCTACTAAATGAAGCAAAACAGAGACTCAGCAAGGTGG
TAAAGATACAACCAGGTACCAAGTGCTGCTGGATGGACTGGTTCTCCAGGGTTTGTACCAGTTGCTGGAGCCCC
GAATGATTGTTTCGTTGCAGGAAACAAGATTTCCCTCTGGTAAAGGCTGCAGTGCAGAAGGCAATTCCTATGTACA
AAATTGCCACCAAAAACGATGTTGATGTCCAAATTGACCAGGAGTCTACCTGCCTGAAGACATAGCTGGTGGAG
TTGAGATCTATAATGGAGATCGTAAATAAAGGTTTCCAACACCCTGGAAAAGCCGGCTGGATCTCATAGCCCAGC
AGATGATGCCAGAAGTCCGGGGAGCCTTGTTTGGTGCAAATGCCAACAGGAAGTTTTTGGACTAAGCCTTCAGGA
GGTGGAGCTCGTCGTCAGCTCTCCTGCTGTGATGTGGAAGCTTCTGATATTTGAAGAAACACGAATGTCTCTGTA
GCTTCCTCTTCACTGCCCCAGTATTGCTCTGTATTTATCAGCGATGCCCCCTCTGTCACTCATGCCTTGCCTAATT
GTTTACAATGGTGGAAGCTTCATGTAATATGATCAGGACCCACCTCCAGTTCTTCTGAAAGTGTGACAGTGTCC
AGCCGGTTCTGCAGCACTAGGGGAGGGGGCAGATGGTGGTTGCATGGGCTTCCTGGGTCTCCACTCTCCGTCTGG
CCTAAAGGTGATGATTTTGGTGTGTTGGCCCTGCAGTCCCCACTCTTGAGGCTTAAGGCGCATGTGGCACACCACT
CCTTCCAGCAGTAGTCGCTTTACTGTTACCTGTTTAGGCCTAGAAGTTTTCCCTCATCTGTAAATGTGATTTAAA
ATCTAAGCCATGAATATGCTTTATTTATTAAAAGAGTTATGCGGATTTAATGTGA

6437/6881
FIGURE 5942

MALSDADVQKQIKHMMAFIEQEANEKAEEDAKAEFEFNIEKGRVQTQRLKIMEYYEKKEKQIEQQKKIQMSNL
MNQARLKVLRARDDLITDLLNEAKQRLSKVVKDTTRYQVLLDGLVLQGLYQLLEPRMIVRCRKQDFPLVKAQVQK
AIPMYKIATKNDVDVQIDQESYLPEDIAGGVEIYNGDRKIKVSNLTLESRLDLIAQQMMPEVRGALFGANANRKFL
D

6438/6881
FIGURE 5943A

GAAGAGTCCAGTGAAGCCGGGAACCAGAGGCTCCAGCAGGTCATGCACGCGGCGGATCCTCTGGAGATCCAGGCT
GACGTGCACTGGACTCATATCCGTGAGAGAGAGGAGGAAGAGAGGATGGCGCCGGCCTCTGAGTCCTCTGCTTCC
GGAGCCCCATTGGATGAGAATGACCTAGAGGAAGATGTGGACTCAGAACCAGCCGAGATAGAAGGGGAGGCAGCA
GAGGATGGGGACCCAGGGGACACTGGTGTGAGCTGGATGATGATCAGCACTGGTCTGACAGCCCGTCGGATGCT
GACAGAGAGCTGCGTTTGCCGTGCCAGCTGAGGGGGAAGCAGAGCTGGAGCTGAGGGTGTGGAAGATGAGGAG
AAGCTGCCCCGCTCACCGAAGCACCAAGAGAGAGGTCCCTCCCAAGCCACCAGCCCCATCCGGTCTCCCCAGGAA
TCAGCTCTTCTGTTTATTCCAGTCCACAGCCCTCAACAGAGGGGGCCCCAACTCCCACCTGTCCCTGCCGCCACC
CAGGAGAAATCACCTGAGGAGCGCCTTTTCCCTGAGCCTTTGCTCCCCAAAGAGAAGCCCCAAAGCTGATGCCCCC
TCGGATCTGAAAGCTGTGCACTCTCCCATCCGATCACAGCCAGTGACCCTGCCAGAAGCTAGGACTCCTGTCTCA
CCAGGGAGCCCGCAGCCCCAGCCACCCGTGGCGGCCTCCACGCCCCCACCAGCCCACTCCCCATCTGCTCCAG
CCCCAGCCTTCCACCGAGGCCACTGTCCCATCCCTACCCAGTCCCCCATACTGCTTCCAGCCTGCCCCGGCCAAA
ACATCCACCCCACTGGCCCTCTCCCTGTCCAAAGCCAAAGTGACACCAAGGACAGACTGGGCAGCCCCCTTGCT
GTGGATGAGGCCCTCAGACGGAGCGACCTGGTGGAGGAGTTCTGGATGAAGAGTGCGGAGATCCGCCGAGCCTC
GGGCTCACACCTGTGGACCGCAGCAAGGGGCCGAGCCAGCTTCCCCACGCCTGCCTTACAGGCCAGTGTCCCTC
AAATCCTATTCCGTTGAAAAGTCCCCCAGGATGAGGGACTCCACCTTCTCAAGCCTCTGTCCATCCCCAAAAGG
CTGGGCTGCCAAAGCCGAAGGCGAGCCGTTGTCCCTGCCAACCCCCCGTCCCGTCCGACAGAGAGCTACGC
AGCGCCCAGGAGGAGCGCAGGGAGCTGTCCAGCAGCTCTGGCCTGGGCCTGCACGGGAGCTCCTCCAACATGAAG
ACACTGGGCAGCCAGAGCTTCAACACCTCGGACTCCGCCATGCTCACGCCCCCTCCAGCCCGCCCCACCGCCA
CCCCGGGCGAGGAGCCCGCCACCTTGCGGAGGAAGCTCAGGGAGGCCGAGCCCAATGCCTCGGTGGTCCCGCCG
CCCTTGCCCGCCACCTGGATGCGGCCCCCCCCGGGAGCCTGCTCAGCCCCCAGAGAGGAGGTGCGGAAGTCGTTT
GTGGAGAGCGTGGAGGAGATTCCCTTTGCTGATGATGTGGAGGACACCTATGACGACAAGACTGAGGACTCAAGC
CTGCAGGAGAAATTCTTACGCCCCCTCCTGCTGGCCGCGCCCCGAGAAGCCTCGCCACCCGCCCTGGCCAAG
GAGAACGGGAGGCTGCCTGCTCTGGAGGGGACGCTGCAGCCACAGAAGAGGGGGCTGCCCTTGGTGTCCGCGGAA
GCCAAGGAGTTGGCCGAGGAGCGCATGCGAGCCAGGGAGAAGTCCGTGAAGAGCCAGGCGCTGCGGGACGCCATG
GCCAGGCAGCTGAGCAGGATGCAGCAGATGGAGCTGGCCTCAGGCGCCCCCAGGCCCCGAAGGCGTCTCAGCA
CCCTCCCAGGGCAAGGAGCGCCGGCCTGACTCCCCACACGCCCCACTCTCAGGGGCTCCGAGGAGCCACCTG
AAGCATGAAGCCACCAGCGAGGAGGTCTCTCCCCGCGTGGACTCAGGGGGCCAGATGGCTCTTTCACTTCA
TCCGAGGGCTCCAGTGGGAAGAGCAAGAAGAGGTGCTCACTCTTCTCCCCCGCAGAAACAAGAAGGAGAAGAAG
TCCAAAGGCGAGGGCCGGCCCCCGGAGAAGCCAGCTCCAACCTCCTAGAAGAAGCCGCCCAAACCCAAGTCC
CTGTGGAAGTCCGTCTTCTCCGGGTACAAGAAGGACAAGAAGAAGGCGACGACAAGTCTGCCCCAGCACC
CCCTCCAGCGGGGCCACGGTGGACTCTGGAAAGCACAGGGTGCTTCCCGTCTGTAAGGGCAGAGCTGCAGCTCCGG
CGCCAGCTGAGCTTCTCCGAGGACTCAGACCTCTCCAGCGACGATGTCTTGAGAAGTCTCACAGAAGTCCCGG
CGAGAGCCAAGAACCTACACGGAGGAGGAAGTGAATGCCAAGCTGACCCGGCGTGTGCAAAAGGCAGCTCGGAGA
CAGGCCAAGCAGGAGGAGCTTAAGCGGCTGCATCGAGCCAGATCATCCAGCGGCAGCTGCAGCAGGTGGAGGAG
AGGCAGCGGCGGCTGGAGGAAAGGGCGTGGCTGTGGAGAAGGCGCTCCGGGGCGAAGCAGGCATGGGCAAGAAG
GACGACCCCAAGCTGATGCAGGAGTGGTTCAAGCTAGTGCAGGAGAAGAACGCCATGGTGCCTACGAGTCGGAG
CTGATGATCTTTGCCCGGGAGCTGGAGCTGGAAGACCGGCAGAGTGCAGTGCAGCAGGAGCTCCGGGAACGCATG
GCAGTGGAAGATCACCTTAAGACTGAGGAGGAGCTGTGAGAAGAGAAGCAGATTCTCAATGAGATGCTGGAGGTG
GTGGAGCAGAGAGACTCACTGGTGGCGCTGCTGGAGGAGCAGCGGCTCCGGGAGAGAGAGGAGGACAAGGACCTG
GAGGCTGCCATGCTGTCCAAGGGCTTACAGCCTTAAGTGGTCCTGAGCTCCACCCAACGCTCCATTTTCTGTTGG
CATCCGCCTGGCCAGGCAGTGGCATCCAAACCACCCGGAGCCGCGATCTGAGGAGGCCTGGCACCTCCTTGGAGT
TTACGCTCAGATGCCCCGTGTGCTGCTTGGAAAGTGGTTCGAGTCCCGCTGCAGTGGGGAGCCCCAGGTGACAGTG
GTTATCTGAGACGGCTCCACCTCCTGGGAGGAGGCCACCTGGACCTCCCACTCAGAGGAGCAGCACGGCGTGTA
TGGCATGACGCAGGGGACCACCCCGCGCTCCCTGAGGATGTGCTGGCTGTGCCCCTTTTTCCACTGGCACAT
TTGGTAAGAGAGGGGAAGCTGCTCCCCGTGAGAACCACAGTGCGCCGTGCGAGGGGCACTGTCTTCTTCATGCTCC
CTGGAGCACCACCAAGAAGAACGTAAACAATACCCACGAAAGCAGGGTCAGGGGTGAGGTGCGATCGAGACCCA
GGATGGGGGCGTCCAGTCATGCCCCACCCAGCATCACAGGAGACATGGAGGTGCGGGCAGGCTCCTGAATTATTA
TGCAAATTAGGAGGACGCAGGAGGGGTCTGCCCTCCAGCCGAACACCACACACTGGACCCTAAGTGGCCAAATGC

6439/6881
FIGURE 5943B

CTGGGCCGCTTGCTGGCTGTGGCCTGAGGCTTGTGGGTTGCTGCATTTTCTTGTAGTTCACAACCATTGACA
CTGGAAAATGCTGACTTTGGGGGACAGGATGAGGCCCTACATTCTAAGCCCCAGTTGGCAGACAGGCATTGTCC
CTGTTCCACATTTATGTCGGGACAGGAGATGACCTTTTCTCCGTGTTTTCTGTGTTTGCACGTTGAAATGAA
GCTGACAACCTGGCAAGACGCTCAGCCGCTTCAAACCTTTTTGTCAATTAACCTATTTTAACTTGAAGAG
AAGTAACCTTCGTTTGTGTATCTTTACTAGAGGAAGTACCTGCGCCCGGTGCGGGAGCCACAGCGGCATCT
GGTGCGTCTACGCGACCTGGTCCGGGGCTGCCCCGGTGCTCCTCACGTGCATCTATTTATTAGCCTTTCTCTTCG
TATCACTGGCCTGGCTGGCATCAGGGAGCTGCCCAGAACCCTGTGTGGGTCTCCTCACAGCTTTCTGTCCCT
CCTCCACCCGGTGCTGCTCACCCTGGCGCTAGACCATCTGGACCACTCATGTGATGAGGGTGCATTTCCGTTT
TGTTTTGGGCCAGGCCAACAGCAGAGCTGCCACTCTCACCCTCCAGTGAGAATTCCGGCTCTGCAGAACTCGCC
CTTGCTCAGTTTGGGGGCCAGGGCATCACCTTCTCCGCACATATGTTAAAGAAGGTTTCAGGATGGGCCCTCA
TCCACACAGGCCAAGAGGGTGCAAGGTGGGACCCTGGAATCATGTGGCTGGTGAGAATTCCTCCTCCAGCCTA
AGATTACCCAGACGGAACGCGAGTGCTGCAGTGGATGCTGGGATGCAGGCTGGTGCCTCTCAAGCAGATCAGC
GACTCCCGCCCTTCTTCCGAAGGCGACGGGCACCTGCCTTGTGCCGATCTTCATGGGGACATAAAGGGCGAGC
CCCGAATCACTAGCTCCTATAGCCAACTGTTCTTTCTCACGGTTCCGCACCAGCCTGGCTGTGTACAGCTCAT
CAAGCCACTGAGCTAATCGGGGTGGGGTGCTTGTCCATCAAAGCAGTCAGCACATAGCCAGCGAGGAGCCATCC
GGACCAGACCCGCTGCCAGGGGCGCTCCAGCCGCTGCCGCTCCGTGGGCTGGGGCCAGCTGGGAGCAGAGGC
CTGGCCCTCCAAGGCTCCCGCAGTGGAGCAGGCTGAGTGGCTGTGCTGACCTTGGGCTTTCATGGGAACCAC
ACTGTGCTTCAACTTGAACATTATCCAGCTGCAAAGGAGCAAAGAACCTGTGTCATCCTTGTCTGTCCAGAAG
CTGCCATCTCTCTCCCATGCACATCCGGGAGATAACGCCGCTAGTGGCCGCCACAGCGCTGATTCTCCACCTGTT
CTCACGTGAGGCAAAGGTCTCCTTTTCTTTTCTTTTACTTAAAAAAGGGGAGAGGAGGTTTCTAGATTCCATC
TTCAAACCCAGTCGTCCCATAAAAATTGGACGTGGGAAAAGACCTTCACTGCCTGCGTGGCCTTTCCAGACCTC
TCCTCGAATGCCACAAAACCGGTCCAGCCCCGCGCAGAGCCGCTTCCGCCCTTGTAGCTCCTGCTGGCCCCACAA
CAGGGAAACAGTTTGCAAAGTGGCTTGAAGGAGTGTGGCTAGGGATCTGCTGTAAGTGGCCAGACGTAGCAGG
AGAGCCAGTGTCACCTTCTGGTCTGGTCAGCCTTAACACTGTGGCATCCTCCACAGCACACAGGCAGCCTGC
AGTCTGGAAGGTGGACCCGAGCCTTTGCAGAGAGGCGCCGAGAGCCGCGAGGCCTGCGCCCCAGCCTTCTGCTCC
CGACTGTGAGGACACCCAGTTCTAGTAGAGCACTTTTTTTAAAGCTCCCATTTTGTAACTAGTTTGCAGTTG
ACTTGAGTACTCTGGTGACTTCTGCGTCAAGCGTTCTCAAGCTGTGAGAATGTGCGCAGCTCCAGGCAGGTTTT
CTCTCGGAGAGTTAAGTCTTCCCTTGAAGGCAGGGAAGCAGGATGGATACACATATATCACACGCATAAAACACC
AGGTGCGGGAGCAGCCCAGACTCAAGGCTGACTAACTGGAGGCTGAATACCGTGGAGGTCCACATGCAGCTTCC
CTGGAGGGCAGGCCGAGGCGCTCCCGCCCTGGGCTTGAGGATGCTGCACCCGTTGGGCTTCCAGGCCTGCCCA
GATGATGCCTTCAGGCCTCTGTCCCTGGCGGCCATCTCAGGCCGATTTTGACCAGCAATGATAGACTCTTCTTA
ACCCTTTCAAATAAAATTTTTCAGTGGGACAGAAAGGAGAGTTAAAAAACATTTTTTTAAAGGTGGTAACATCTG
ACCCACAAAGGAATGGGTCTGTTTTATGCAAATAAAAGTTTTTCAAAT

6440/6881
FIGURE 5944

MHAADPLEIQADVHWTHIREREEEEERMAPASESSASGAPLDENDLEEDVDSEPAEIEGEEAAEDGDPGDTGAELDD
DQHWSDSPSDADRELRLPCPAEGEAELELRVSEDEEKLPASEPKHQERGFSQATSPIRSPQESALLFIPVHSPSTE
GPQLPPVPAATQEKSPPEERLFPEPLLPKEKPKADAPSDLKAVHSPIRSQPVTLPPEARTPVSPGSPQPQPPVAAST
PPPSPLPICSQPQPSTEATVPSPQTQSPIRFQPAPAKTSTPLAPLPVQSQSDTKDRLGSPPLAVDEALRRSDLVEEF
WMKSAEIRRSGLGLTPVDRSKGPEPSFPTPAFRPVSLKSYSVEKSPQDEGLHLLKPLSIPKRLGLPKPEGEPLSLP
TPRSPSDRELRSQAEEERELSSSSGLGLHGSSSNMKTLSQSFNTSDSAMLTPPSSPPPPPPPPGEEPATLRRKLR
EAEPNASVVPPLPATWMRPPREPAQPPREEVRKSFVESVEEIPFADDVEDTYDDKTEDSSLQEKFFTPPSCWPR
PEKPRHPPLAKENGRPLPALEGTLPQKRGPLLVSAEAKELAEERMAREKSVKSQALRDAMARQLSRMQQMELAS
GAPPRKASSAPSQGKERPDSPTRPTLRGSEETLKHEATSEEVLSPPSDSGGPDGSFTSSEGSSGKSKKRSSL
FSPRRNKKEKKSKGEGRPPEKPSSNLLEEAAKPKSLWKSVEFSGYKKDKKKKADDKSCPSTPSSGATVDSGKHRV
LPVVRAELQLRRQLSFSESDLSDDVLEKSSQKSRRPRTYTEELNAKLTRRVQKAARRQAKQEELKRLHRAQ
IIQRQLQQVEERQRRLEERGVAVEKALRGEAGMGKKDDPKLMQEWFKLVQEKAMVRYESELMIFAELELEDRO
SRLQQELRERMAVEDHLKTEELSEEKQILNEMLEVVEQRDSLVALLEEQLREREREEDKDLEAAMLSKGFSLNWS

6441/6881
FIGURE 5945

CGGGAAGATGGCGGGCCGGGCGACTTGAGATCCGCGGGTCTCCCTGCTCCTTTTCCGTCTGCGTCGGGAGCTCCC
GGGCACGTGAGGCCGTGCCGCGTTTACTGGCGGGAGGGACGGCCTAGCCGGGCGACGCCTCGGAGGAGGCCGCGG
ACCCCTTAGGTGCTGGGCCCTTGGAATCGGCGCGTGGGGGGCGGTGCTCGAGCTGAGCGCGAGAGGGCGGGAGA
GCTCGTGGGGTGCGAGAGGAGCAGGACGCCCCGGCCGGGCAGCATGAGTCAGCAGCGGCCGGCGAGGAGATTACCC
AGTCTCCTCCTGCACCCGACGGAGGAGACCCCATCAACGTGGAGGGCCTGCTGCCATCAAAAAATAAGGATTAATT
TAGAAGATAATGTACAATATGTGTCCATGAGAAATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTGGAAC
GAAACTGGGAGTCCGAAAGCGGAGAGTGTATGACATCACCGATGTCTTAGATGGAATCGACCTCGTTGAAAAGAA
ATCCAAGAACCATATTAGATGGATAGGATCTGATCTTAGCAATTTTGGAGCAGTTCCCCAACAAAAGAAGCTACA
GGAGGAACTTTCTGACTTATCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTGCTCAGCAGCTGTT
TGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGCATTACAGGCCTT
CCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCAGCTCCCAGAGAAGACTC
TATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCTATTGTGAGAAGTGGAGCAGGGTCAGACCAG
TAACAAAAGGTCTGAAGGTGTGAGGACCTCTTCATCTGAGAGCACTCATCCAGAAGGCCCTGAGGAAGAAGAAAA
TCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGCAACTGATGGCATTGAGAATTTATGTATCACTGAGTTTTTT
GGGAATATCTTCGTGGAGAATTACGCATCAAATTTGATTCTCAGAGCAATAAATTATCCATGAAGTGCTCTCGTT
CTCAGTAGCGGCATCATGGCCAGTAGTGTCTTTGAGGAGTTCACCACCTAGATTACTGAGTAATTGTGGTTTTCCA
CATTGAAAACAACCTCCTTTTATAATTATTCACCTGCTTTTGTGAGTGAATAGACATCTTGCCCTCCTGAAGTAG
CTTCATCACAGAGTGTATGAAGACAGACAGTCAGGCTGAAAAGGACAGTTCTTTGTGGACTCTACCCCTCCCTT
CAAGGAGTATGTATATGTCACAAAAGAAATTGCCTTACACTGGTTCATGTTTGCAGTTACTGTTGTACATTGCA
TAGATGTACACACGAATTTAAATGTGATGTCTTTGTATATATCTGTATAATGTTGAGATTACTTACGAAATATGT
CTGAGTGACACTTTTCACTCTTGTACAGCCAAAATAATGTATATATGGAAAATGACAGACAAATCTCTAATCTC
TTTGGTATCTATAACTTATTAGAATCCTCTGGATGAGGGTTAGAAGAGACTTTTCCAACTTCTACATGTAGAA
GTATCATAAATGTGCTACACATTTATGTTTGTGGATTTAATTAAAGTATTTAATATGGTTTTAGTGCTAAAAT
TGGAGTCAGATACTTCTTGTTTTAAGCTGTCTACCTAATTGCTGTCTCCAGCAGATCGGTGGCATGCCAGTG
GCTTTGGGGGCAAGGATAGAAATGCCATCAGGAAATAGCTGAATTCATTGTGAAACATGAATTCAGTCATGGTGA
TAATTGGAACTCCTTTTCAAGTTTTTGAAGTAGATTTTGTAAATGTTGTGTATGCAGCCTTGCTGTTGAGTCAG
TCCAAGGGGTTTTACTTAGGACAAGTTGTACCTTGCCCTCTCTCCAGCTCTGCTCCACATTTTACATACCTAG
CTATTTCTACCTCATTGGGTAAGTCATTTACCACTCTGTGCCTCAGTTTACTCTGTAGTTTACCATTAGACTGTG
AGCTCCTTGAGGGACTTTGTCATAATCACTGTTACATCCAGTGCCCTCACACTATGCCTGGCCCTTAAGAAGTGC
TCAATAAATGTCTGAACAAAAA

6442/6881
FIGURE 5946

GGGGCCTGGCTCGGACCACGCGGGGCGGGACCTGGAGCTGACGCGGCCGCCCGCCCTGGGACCATAACCGGCC
GCCGCCGCCACCGCGGACCGAGCGCGGAGTTCTGGAGTCTCGGACCCGAAGCCGCCACAGGGCGCCCCGCCTCCC
GCCCGCCATGCCCGCGCCCCGCGCCCCGCGCGCTCTGGCGGGCCGCCGCGCCCGCTCCGGGAAGGCCAAGCTGAC
GCACCCGGGGAAGGCGATCCTGGCAGGCGGCCTGGCGGGTGGCATCGAGATCTGCATCACCTTCCCCACCGAGTA
CGTGAAGACGCAGCTGCAGCTGGACGAGCGCTCGCACCCGCCGCGGTACCGGGGCATCGGGGACTGCGTGCGGCA
GACGGTTCGCAGCCATGGCGTCTGGGCCTGTACCGCGGCCCTTAGCTCCCTGCTCTACGGTTCCATCCCCAAGGC
GGCCGTCAAGTTTGGAAATGTTGAGTTCTCAGCAACCACATGCGGGATGCCAGGGACGGCTGGACAGCACGCG
TGGGCTGCTGTGCGGCCTGGGCGCTGGCGTGGCCGAGGCCGTGGTGGTCTGTGCCCCATGGAGACCATCAAGGT
GAAGTTCATCCACGACCAGACCTCCCCAAACCCCAAGTACAGAGGATTCTTCCACGGGGTTAGGGAGATTGTGCG
GGAACAAGGGCTGAAGGGGACGTACCAGGGCCTCACAGCCACTGTCTGAAGCAGGGCTCGAACCAGGCCATCCG
CTTCTTCGTCAIGACCTCCCTGCGCAACTGGTACCGAGGGGACAACCCCAACAAGCCCATGAACCTCTGATCAC
TGGGGTCTTCGGAGCTATTGCAGGCGCAGCCAGTGTCTTTGGAACACTCCTCTGGATGTGATTAAGACCCGGAT
GCAGGGCCTGGAGGCGCACAAATACCGGAACACGTGGGACTGCGGCTTGAGATCCTGAAGAAGGAGGGGCTCAA
GGCGTGAGTGGGGGAGGGGAGGGCTATTGTCCCCACCTCAAACCTTTCCCGGCCTACCTGGCCTGCCCACTCTG
TCCCCCTTCAGGCCTCTGTGCCTCTCACTTCAGTATCTGGGGATTGCCCTGTGCAGGGACACTGTGCTGACCTGCC
TTCTCTCCCCGCCCCTCTCCACCCAGATTCTACAAGGGCACTGTCCCCCGCCTGGGCCGGGTCTGCCTGGAT
GTGGCCATAGTGTTTGTCTATCTATGATGAAGTGGTGAAGCTGCTCAACAAAGTGTGGAAGACGGACTAAGCCTAG
AGAGGCCGCAAGGGGACCGCCCCAGGCACCGCCAGAGTGTCTGCTACCTTTGTCTCACGATTCCAGTGCAGTAG
TGCCAAAAGGCCCTTCCCACGTCCCTCGAGCTCTGTAGCCTGGTCTGTGCATTGTGGCTGTCAAATCCATGTGT
CCCCCTGTGGTCTGTGTGTGACACCACCACTGTGTCCAGTGTCTGGCCCAGCCATGGCTGGATGTGCATCTGG
CCTATGACCCTGTGCCTGTGTTTCATGTTCTGTGTACGTGACCCTGTGCCCCGCCTCCCGGGGTGCCCGTGTGG
CCTGGGTCTTCGGCCCTGTAGCCCTGGCCCGGTCCAGTCCGGTGCCTTCCACCCTGCCCTGGCCTACCACAGCT
GCCTCCGGGCCTCGGCCTGGCTTCACCGCATTCAGGGGCTGCAGCCCCCTGCTTCTCCCGCCATTGGCCTTAAC
TGGCCCTCGGGCCCTCTCTCCGCCCCGACAGGGTGGCACCCACCCTCTCAGGACCACCCTGCCAAGGCAGAAT
AAACCGGATCCTGTTGC

6443/6881
FIGURE 5947

AGTAAGCCGGGCTGCCGTCTTCTCGCCATGGGCTCCGGGCCGCGCGGGGCGCTGAGCTTACTGCTCCTGCTGCTG
GCCCCGCCGAGCCGCCCGGCCGCAGGTTGCCCGGCCGCTGTAGCTGCGCGGGGACGCTCGTGGACTGCGGGCGC
CGCGGGCTGACTTGGGCCCTCGCTGCCGACCGCCTTCCCTGTCGACACAACCGAGCTGGTGCTGACCGGCAACAAC
CTGACGGCGCTGCCGCCGGGGCTGCTGGACGCGCTGCCCGCGCTGCGCACCCGCACACCTGGGCGCCAACCCCTGG
CGCTGCGACTGCCGCCTTGTGCCGCTGCGCGCCTGGCTGGCCGGCCGCCCCGAGCGTGCGCCCTACCGCGACCTG
CGTTGCGTGGCGCCCCCAGCGCTGCGCGGCCGCTGCTGCCCTATCTGGCCGAGGACGAGCTGCGCGCCGCTTGC
GCTCCCGCCCCGCTCTGCTGGGGGGCGCTGGCGGGCGAGCTTGCGCTGCTGGGCCTTGGGCTGCTGCACGCGTTG
CTGCTGGTGCTGCTGCTGTGCCGCCTGCGGAGGCTGCGGGCCCGGGCCCGCGCTCGCGCCGAGCCCGGCTGTG
CTGACCGACCCGCTGGTGGCCGAGCGAGCCGGAACCGACGAGTCCTGAGGAGAGAACCGGTGCGTCCTGAGGAGA
GAACCGGCGCTGGGCAACACGGGCCTGCAAATCGACAGGACCCTGCCCGAGGGGCCCTCGCGCCAACCTGGACC
GGTCCCCGCCTCCTCCGCTGCCCAATCTCTCAGACCCACCCACCTGCAGGCCAGACCAGTGGGACAGAACTC
CTGCCCCACCTACCCCGAGGGAGGCGAACCCGCACTTCCAGGCTTGGGAGGACCATGGGGCACAAATGCGGTCCAG
ACCCTGCTGCGTCTCCCTTCCAAACTCTGGTGCTGAATAAACCTTCTGATCTGG

6444/6881
FIGURE 5948

MSGPRGALSLLLLLLAPPSRPAAGCPAPCSCAGTLVDCGRRGLTWASLETAFFVDTTTELVLTGNNLTALPPGLL
DALPALRTAHLGANPWRCDCRLVPLRAWLAGRPERAPYRDLRCVAPPALRGRLLEPYLAEDELRAACAPGPLCWGA
LAAQLALLGLGLLHALLLVLLLCRLRRLRARARARAAARLSLTDPLVAERAGTDES

6445/6881
FIGURE 5949

CCCAAGATGCCAAAAGGAAAGAAGGCCAAGGGAAAGAAGGTGGCTCTGGCCCCCTGCTGTGTCATGAAGAAGCAGGAG
GCTAAGAAAAGTGGTGAATCCCCTGTTTGAGAAAAGGCCTAAGAATTTTGGCATCGGACAGGACATCCAGCCCCAA
AGAGACCTCACCCACTTTGTGAAATGGCCCCGCTATATCAGGCTGCTGGCAAACGGGACGTCCCCACCAAGAGAC
CACCTGTCTTTCGAGCAGGAGTTAACATCGTCCACCACCTTGGTGGAGAACAAGAAAGCTCAGCTGGTGGTGATTG
CAGACGACGTGGATCCCATCGAGCTGGTTGTCTTCTTGCCTGCCTTGTGTCGTAAAATGGGGGTCCCTTACTGCA
TTATCAAGGGGAAGGCAAGACTGGGACGTCTAGTCCACAGGAAGACCTGCACCACTGTCACCTTCACATAGGTGA
ACTCGGAAGACAAAGGCACCTTTGGCTAAGCTGATGGAAGCTATCAGGACCAATTACAATGACAGATACGATGAGA
TCCGCCGTCACTGGGGCGGCAACATCCTGGGTCTTAAGTCTGTGGCTCGTATCGCCAAGCTCGAAAAGGCAAAGG
CTAAAGAACTTGCCACTAAACTGGGTAAATGTACACTGTTGAGTTTTCTGTACATTAAAATAATTAAATAATA
CAAATTTTCCTTC

6446/6881
FIGURE 5950

CTGCCGTGTGCTGAGGGCCAGTCATGCAGCATCCACCTAGGCAGGCTTGAGAGTCCTTGGGAGAGTCCAGGTGA
CCTGGTTTTTAATTAAAAACGCGTCCTGTTTATTGTGGTTGGGCTCTGCCCAGAAAGGAAGGTAGGGCCTTGAAGT
GGTGATGTCCAGGTTTCTTGACACAGGTAGGGTGGAGGCAACGATGGACTCTGGCATGGCCTTCCAGACAGGCAGT
GCACACAGCTCCTTTCAGAGTGGCTTTGTTGCCAGCTGCTGCAGCACCTGCTTTCAGACAGATGATGACCAAGCT
GCTTTCCTGCTGGGGGAAGGAGGCATTCCCCCTGGGTTGTTTTCTCTTCTGGCCCCCACACTGGCAGACCCG
AAGGCAGGGTGCTCAGGAGCTGCAGAGCCTGGCAGGGTTTGCTGGACATGCTCAGGGACGGGCCATGGTGCTGGC
TCTGCTTTCTAATCATGGTGTGAGTCCCTTCACTTCCCTTGGAATATCCAGAGATTTTATTTCCTGAAGATAGGA
CATGATGGGTGCTGTGAGATGGTATTTAAAGTACCTGTCTGCAAGGAAAACCTTAAAAATAGGAAGTACTAAGGAT
AAGGTCCTATGGGATATTGGAATATTTTATAAAGCCACAATAGTTAAAGCACTTAGATGTGGACAGATGAGCAGA
GAATAGAGGACTTTGAAACGGGCCAAATAAATATGGAAATTTAGTACAGGCTAGAGGTGTTTCCAATTAACGAGT
AAAATGGATTATTAGTAAAAGCAGTTGGCCCTCTGGAAAATAGTAAAGCCATGTATGTGCCTCACTCTTTATGC
CAGTACATATTCCAGATTAAAGATTTCAATGTTACAATTATGAAGTACTAGAGGAAAATATGGGTGAATTTTTT
TTTTTTTTTTTTTTTGCCTATGATTCAGGATTTTAAAGTTTTAGATGCCAGAGTTGTGGAGGTATGGAGAAG
TGGACCTTCTCATACTGTTGGTGGGAATACACAATAATATAATTTGACCACGTAACAATTTAGGCACATGCATG
CTGTGACTACTTGCTAGGTGCATGAAGGCTCTTGCCAGGGGTGGTTCATGGTTCCGTACCCTACATGGGGGTTTA
GAGCAGGGACTGGAGGTGGCCTTGCCCTCCCTCCCGCATGAGCTGAGGGTCCTTACCTGACCTTTTTTGAG
CTGTGACCAGAGTTTTTCTCATGGGGTGGTTAGAAGGGTTGAATGAGAATGATGCCCATGCAGTGCCTTGGCTG
GGGTCTGGGCCCTCTAACACCCACCTCATGGGTGTCACTGTTTTTTGAACAGCAGAACTGGAAAAGCCCAAAGAT
CCAGCAATAAAGGAGCAAGGCAAATAAAGCTGTTACCCTGCAGGATCAGTCAGCATGAGCCAGATTGTGCTGCAG
TAACAAAGATCTCCAACAGCGCAGCGGCTACAGTTGGCACTGCTTATTTCTTGCTTGACCTGTGGGCCACCGTG
GCTGGGGCCTGTGACACCTGTGCTGACGACAGCCTACCTGGACATATTTCTCCATGCTCACTGAGGCAGGGGAAA
GGCCACAGCAGGCCACAAGTAATGTGTGTACCCCACTTCCATTTCTGTGGCCAAAGGAAGCCACAGAGCCACAC
CTGAGTTCCATAGGACGGCAGCAGCTGATCATCCTATGGGCTGGGGTGTCTAGTATGGAGAAGTACAAGCAGCCA
CCCAGCGTGGGGCTGGTTGGTGTGCTGCTGAGGATGGGAGGATGGGAGGGGCTGCATCCATCCCAGGGCAACATAC
CTGTTTGTCTGCTGGGGCTGCCTGACAAAGGACCGCAGGCTAGGGGACTTAAACAACAGACATTTCTCATGATT
CTGGAGCTAGAAGCCTGAGATCAAGGTGTGGGCAGGGTTGGTTTCTCCTGAGGCCTCGCTCCTTGGCCTGCAGAT
AGCCATCTTCTTGCCGTGTCCCTGTCTGTGTCTGTGTCTTAATCTCTCATAAGCTCACTAGTCTATTGGATCAGG
GCCCCCCTCATGACCTCATTTAACCCTGAATTACCTCTTTAAAGACCCTGTCTTCAAATGTAAGTACTAGGGGT
TAGGACTTGAACATAAAAAATATTGAAGGGACATAGTTCTGCCACAGCGGTGCCGCGATAGGCTTCTCTGGTTT
TGTCTTTGCTGTTTCTTGCCAGCGCTATATTGGGCAGGCTTCTGTGGTCTCCACATGCCTGTGTGCAGAGTCCCCC
AGGCCCTGGGTTCTGGGGCCCATACTGAGGAGTGGGGATGGCCAAGCCTTGGCTGTTGAGTAGGCAGTGCCCACT
TGTGCTGTATGGGATGCTGTTTCTCACTTAAGAAATCTTTCCCTACCTGGGGGGTACAAAGGCATTATCCTGTAT
TCCCAGGTTGTAACTTTCTGCCTTTGACATTCAACCTTGAGTCCACCTGTAAGTGTAAGTGCAGGAGGGAGG
GGTCTGCTGTATCCTTGATAGCCTGTGATGAGCAGAGCCCTCTGCCGACCGCGATGCACATGTAATATGAGCA
AGAAATAAATTTTTGATGTGCGAAGCCACTG

6447/6881
FIGURE 5951

GGCACGAGGCTCCCCTGTGCTCCCAGCATGCCTCGTGGCCGGTGCCGTGAGCAGGGCCCTCGCATTCCCATCTGG
GCAGCCGCCAATTATGCCAACGCACATCCATGGCAGCAGATGGACAAGGCGTCTCCTGGGGTGGCATAACACCCC
CTTGTGGATCCCCTGGATTGAGCGGCCCTGCTGTGGGGACACCGTGTGTGTGCGAACGACCATGGGAGCAGAAGAGC
ACAGCTAGTGGCACTTGTGGCGGTAAACCTGCAGAAAGGGGTCCCCTAGCTGGGCACATGCCAGCTCCCGACCC
CACAGGGTGGACTTCTGCTGGGTACCAGGCTCAGACCCAGGCACCTTTGATGGCTCCCCGTGGCTACTGGACCGC
TTCTTGGCCCAGCTGGGCGATTACATGTCCTTCCACTTTGAGCACTATCAGGACAACATCAGCCGTGTCTGCGAG
ATCCTCAGGCGCCTAACAGGCCGAGCCAGGCCTGGGCAGCCCCCTACCTTGATGGGGACCTGCCCTGCCTGAC
GATTACGAGCTCTTCTGCCAGGATCTCAAGGAAGTTGTTCAAGACCCGAACAGTTTTGCTGAGTACCATGCTGTG
GTTACCTGTCCCCTGCCCTGGCCTCCAGCCAGCTGCCAGTGGCCCCCTCAGCTGCCTGTGGTGAGGCAATACTTA
GCTAGGTTCTTAGAGGGCCTGGCACTCGACATGGGTACTGCCCCAGGTCTTTACCAGCCGCCATGGCCACCCCT
GCTGTGTCTGGGTCCAACCTCTGTATCTAGAAGTGCTCTGTTGAGCAGCAGCTGACCAAGGAGAGCACCCCTGGG
CCAAGGAGCCCCCAGTCTGCCCAGTTCTACATGTAGCTCCAAGCCTGGTCCCTGTGGAACCAGCCTCTTCCAG
CCAGAGGAGGCAGCCCCACACCTGTCCCTAGACTGTGCGAGTCAGCTAATCCTCCTGCCAGAGACCAGACCCA
GCTCATCCAGGAGGTCCAAAACCCAGAAAACAGAGGAGGAGGTTTTGGAGACAGAGGGAGACCAGGAGGTGTCC
TTAGGTACCCACAGGAGGTGGTGGAGGCCCGGAGACCCAGGAGAGCCACCCTTTCTCCTGGGTTCTTGAACA
CAGCCCAGGTGGGAACAATGCTGCCCTCATGATGAAGTGGCCTGTGTGGCTTGAGCGCCCCATAGTCCCCAGTC
AGAGCAGAGTGGTGTCCCCAGATGACTTCAGACCCCATAGCTGGGCAAGATGCGCTTGTTTTGGACTCTGCGCTG
AGCAGAACCAGTCCCCCACTCCAGCAGAGCTTGACCTCCGCCCTGTGCCCTTTCCCTGCTGCTGGCTCTCTGC
TGCATCCCTGCCCGTCTTCTGGGAGTGCCGTCTACCCAGGCCTGCTCCACGAGGGGGTCTGTTTTGTAGATCAA
CTCTCAGCAGATAGTTGCATCATCTTTGTACCTCCACCCCCATAAAACACCCCCCTTGGTGTCTTCCACACTGG
CTGGGACTGAACTGGGTCTGCCACGTCTGCCCTGTTGGGACCTCGTTCTGTATGGGGTTTCTGTGTCTGTCCCC
CTAGCCCCACCCCTCTCTGCTCCCTGTGACTTCTGTCCAGCTGGAATGTGAGGAAGGCTGCCTGGAGGAAGTGGC
CACTTTGATTCTGGGGGATGAGTGGGATAGCATCTTGGCAAAGAATGATGTTTCTGTGGGATTACCAGCAGTTC
TGGGCAGCTGGAAGGTTTGGATGCAGGAAGGTGGGATGCAAGCCCCTTGCCAGGCTCAGCTGCAGGCATTGCCCC
TTTGTGTGTTAAACACTGTAGCTCTAATCGTGCCTGGTGTCTGAAGCAGGCTCCTCTTCCCTGCTGCTGTGTGCTG
CATCCCCTGCTCACTCCGCACTCGCATGCATTGCGGATTGAGCACTTAAGCCCCTAGTGTGTAATGACTTGGATC
TCCCTCCTGGCAGACTGTGACCCTCAGCACAGGGGCTCTGTCTTAGTCAGCTCTGTGGCCTGGTACACAATTGGT
GCTCATTAAACACGTGTTGGATTACTGGCAAAAAAAAAAAAAAAAAA

6448/6881

FIGURE 5952

MEQKSTASGTCGGKPAERGPLAGHMPSSRPVRVDFCWVPGSDPGTFDGSFWLLDRFLAQLGDYMSFHFHYQDNI
SRVCEILRRLTGRAQAWAAPYLDGDLPLPDDYELFCQDLKEVVQDPNSFAEYHAVVTCPLPLASSQLPVAPQLPV
VRQYLARFLEGLALDMGTAPRSLPAAMATPAVSGSNSVSRSALEQQLTKESTPGPKPEPPVLPSSCCKPGPVE
PASSQPEEAAPTVPRLSESANPPAQRDPAPHPGGPKPKQTEEEVLETEGDQEVSLGTPQEVVEAPETPGEPPLS
PGF

6449/6881

FIGURE 5953

TGAACACAGCCCAGGTGGGAACAATGCTGCCCCCTCATGATGAAGTGGCCTGTGTGGCTTGAGCGCCCCATAGTCC
CCAGTCAGAGCAGAGTGGTGTCCCCAGATGACTTCAGACCCCATAGCTGGGCAAGATGCGCTTGTTTTGGACTCT
GCGCTGAGCAGAACCAGCTCCCCAACTCCAGCAGAGCTTGACCTCCGCCCTGTGCCCTTTCCCTGCTGCTGGCT
CTCTGCTGCATCCCTGCCCGTCTTCTGGGAGTGCCGTCTCAGCCAGGCCTGCTCCCACGAGGGGGTCGTTTTGTA
GATCAACTCTCAGCAGATAGTTGCATCATCTTTGTACCTCCACCCCATCGTCTGCCCTGTTGGGACCTCGTTC
CTGTATGGGGTTTTCTGTGTCTGTCCCCCTAGCCCCACCTCTCTGCTCCCTGTGACTTCTGTCCCAGCTGGAATG
TGAGGAAGGCTGCCTGGAGGAAGTGGCCACTTTGATTCTGGGGGATGAGTGGGATAGCATCTTGGCAAAGAATGA
TGTTTCCTGTGGGATTACCAGCAGTTCTGGGCAGCTGGAAGGTTTGGATGCAGGAAGGTGGGATGCAAGCCCCTT
GCCAGGCTCAGCTGCAGGCATTGCCCCCTTG

FIGURE 5954

[illegible]

6451/6881
FIGURE 5955

MAAMAVLRGLGGRFRWRTQAVAGGVRGAARGAAAGQRDYDLLVVGGGSGGLACAKEAAQLGRKVAVVDYVEPSP
QGTRWGLGGTCVNVGCIPKKLMHQAALLGGLIQDAPNYGWEVAQPVPDWRKMAEAVQNHVKSINWGHVRVQLQDR
KVKYFNIKASFVDEHTVCGVAKGGKEILLSADHIIIATGGRPRYPHTHIEGALEYGITSDDIFWLKESPGKTLVVG
ASYVALECAGFLTIGIGLDTTIMMRSIPLRGFDQQMSSMVIHMAHSGTRFLRGCAPSRVRRLPDGGQLQVTWEDST
TGKEDTGTFDTVLWAIGRVPDTRSLNLEKAGVDTSPDTQKILVDSREATSVPHIYAIGDVVEGRPELTPIAIMAG
RLLVQRLFGGSSDLMDYDNVPTTVFTPLEYGCVGLSEEEAVARHGQEHVEVYHAHYKPLEFTVAGRDASQCYVKM
VCLREPPQLVLGLHFLGPNAGEVTQGFALGIKCGASYAQMRTVGIHPTCSEEVVKLRISKRSGLDPTVTGCRV

6452/6881
FIGURE 5956

CACCGCCATTGCCGCCATCGTCGTGGGGCTTCTGGGGCAGCTAGGGCTGCCCCGCCGCGCTGCCTGCGCCGGACCG
GGGCGGGTCCAGTCCCCGGGCGGGCCGTGCGGGGAGAGAAATAACATCTGCTTTGCTGCCGAGCCAGAGGAGACCC
CAGACCCCTCCCGCAGCCAGAGGGCTGGAGCCTGCTCAGAGGTGCTTTGAAGATGCCGGAGGCCCGCCTCTGCT
GTTGGCAGCTGTGTTGCTGGGCCTGGTGCTGCTGGTGGTGCTGCTGCTTCTGAGGCACTGGGGCTGGGGCCT
GTGCCTTATCGGCTGGAACGAGTTCATCCTGCAGCCCATCCACAACCTGCTCATGGGTGACACCAAGGAGCAGCG
CATCCTGAACCACGTGCTGCAGCATGCGGAGCCCGGGAACGCACAGAGCGTGCTGGAGGCCATTGACACCTACTG
CGAGCAGAAGGAGTGGGCCATGAACGTGGGCGACAAGAAAGGCAAGATCGTGACGCCGTGATTTCAGGAGCACCA
GCCCTCCGTGCTGCTGGAGCTGGGGGCCTACTGTGGCTACTCAGCTGTGCGCATGGCCCGCCTGCTGTCACCAGG
GGCGAGGCTCATCACCATCGAGATCAACCCCGACTGTGCCGCCATCACCAGCGGATGGTGGATTTGCTGGCGT
GAAGGACAAGGTCACCCCTTGTGGTTGGAGCGTCCCAGGACATCATCCCCAGCTGAAGAAGAAGTATGATGTGGA
CACACTGGACATGGTCTTCCTCGACCACTGGAAGGACCGGTACCTGCCGGACACGCTTCTCTGGAGGAATGTGG
CCTGCTGCGGAAGGGGACAGTGCTACTGGCTGACAACGTGATCTGCCAGGTGCGCCAGACTTCCTAGCACACGT
GCGCGGGAGCAGCTGCTTTGAGTGACACACTACCAATCGTTCCTGGAATACAGGGAGGTGGTGGACGGCCTGGA
GAAGGCCATCTACAAGGGCCCAGGCAGCGAAGCAGGGCCCCTGACTGCCCCCCCCGGCCCCCTCTCGGGCTCTCTC
ACCCAGCCTGGTACTGAAGGTGCCAGACGTGCTCCTGCTGACCTTCTGCGGCTCCGGGCTGTGTCCTAAATGCAA
AGCACACCTCGGCCGAGGCCTGCGCCCTGACATGCTAACCTCTCTGAACTGCAACACTGGATTGTTCTTTTAA
GACTCAATCATGACTTCTTTACTAACACTGGCTAGCTATATTATCTTATATACTAATATCATGTTTTAAAAATAT
AAAATAGAAATTAA

6453/6881
FIGURE 5957

MPEAPPLLLAAVLLGLVLLVLLLLLRHWGWLCLIGWNEFILQPIHNLLMGDTKEQRI LNHLVQHAE PGNAQSV
LEAIDTYCEQKEWAMNVGDKKGKIVDAVIQEHQPSVLLELGAYCGYSAVRMARLLSPGARLITIEINPDCAAITQ
RMVDFAGVKDKVTLVVGASQDIIPQLKKKYDVDTLDMVFLDHWKDRYLPDTLLLEECGLLRKGTVLLADNVICPG
APDFLAHVRGSSCFECTHYQSFLEYREVVDGLEKAIYKGP GSEAGP

6454/6881
FIGURE 5958

GCTGTTGGCAGCTGTGTTGCTGGGCCTGGTGCTGCTGGTGGTGCTGCTGCTGCTTCTGAGGCACTGGGGCTGGGG
CCTGTGCCCTTATCGGCTGGAACGAGTTTCATCCTGCAGCCCATCCACAACCTGCTCATGGGTGACACCAAGGAGCA
GCGCATCCTGAACCACGTGCTGCAGCATGCGGAGCCCGGGAACGCACAGAGCGTGCTGGAGGCCATTGACACCTA
CTGCGAGCAGAAGGAGTGGGCCATGAACGTGGGCGACAAGAAAGGCAAGATCGTGGACGCCGTGATTGAGGAGCA
CCAGCCCTCCGTGCTGCTGGAGCTGGGGGCCTACTGTGGCTACTCAGCTGTGCGCATGGCCCGCCTGCTGTCACC
AGGGGCGAGGCTCATCACCATCGAGATCAACCCCGACTGTGCCGCCATCACCAGCGGATGGTGGATTTGCTGG
CGTGAAGGACAAGGTCACCCTTGTGGTTGGAGCGTCCCAGGACATCATCCCCAGCTGAAGAAGAAGTATGATGT
GGACACACTGGACATGGTCTTCCTCGACCACTGGAAGGACCGGTACCTGCCGGACACGCTTCTCTTGGAGGAATG
TGGCCTGCTGCGGAAGGGGACAGTGCTACTGGCTGACAACGTGATCTGCCCAGGTGCGCCAGACTTCCTAGCACA
CGTGCGCGGGAGCAGCTGCTTTGAGTGACACACTACCAATCGTTCCTGGAATACAGGGAGGTGGTGGACGGCCT
GGAGAAGGCCATCTACAAGGGCCCAGGCAGCGAAGCAGGGCCCCTGACTGCCCCCCCCGGCCCCCTCTCGGGCTCT
CTCACCAGCCTGGTACTGAAGGTGCCAGACGTGCTCCTGCTGACCTTCTGCGGCTCCGGGCTGTGTCCTAAATG
CAAAGCACACCTCGGCCGAGGCCTGCGCCCTGACATGCTAACCTCTCTGAACTGCAACACTGGATTGTTCTTTTT
TAAGACTCAATCATGACTTCTTTACTAACACTGGCTAGCTATATTATCTTATATACTAATATCATGTTTTAAAA
TATAAAATAGAAATTAA

6455/6881
FIGURE 5959

MGDTKEQRILNHVLQHAEPGNAQSVLEAIDTYCEQKEWAMNVGDKKGKI VDAVIQEHQPSVLLELGAYCGYSAVR
MARLLSPGARLITIEINPDCAAITQRMVDFAGVKDKVTLVVGASQDIIPQLKKKYDVDTLDMVFLDHWKDRYLPD
TLLLEECGLLRKGTVLLADNVICPGAPDFLAHVRGSSCFECTHYQSFLEYREVVDGLEKAIYKGPGEAGP

6456/6881
FIGURE 5960A

GGCGGTCCGTCCGTGAGGCTTTCCCGGCTGTGGTTTGGCTGCGGGCGGCTTGGGCAGCCCGCGGGCGCCTCAGGT
AGAAGAAGAAAGGTGCCACTCCGGCATGAAGACAGACTCGCTTAGTCGCCAGTCACTTAAGCTGAGTGCATTGTG
ATTTCCAATAATTGAGGCAGTGGTTCTAAAAGCTGTCTACATTAATGAAAAGAGCAATGTGGCCAGCTTGACTAA
GCCGCCAGCGCACAGCGCGGCAGGACGCGCCCGGGTCTCAGCGGACTTGTGCATGTTAGCTGTGTAGATTTATGT
GAGGGCTTGTAAAACCTCTGGTCTTGTAAACTAGTCTTAAGCGCTTTTAATATGGAGACAGATGAGAGCCCCCTCTC
CGCTCCCGTGTGGGCCCCGAGGAGAAGCGGTGATGGAGAGCCGAGCTCGCCCCCTTCCAAGCGCTGCCCCGTGAGC
AGTCTCCACCACCTCCCCTGCAAACGTCCAGTGGTGCAGAGGTAATGGACGTTGGCTCTGGTGGT¹GATGGACAGT
CCGAACCTCCCTGCTGAGGACCCCTTCAACTTCTACGGAGCTTCTCTTCTCTCCAAAGGATCCTTCTCTAAGGGCC
GCCTCCTCATAGACCCGAACCTGTAGTGGCCACAGCCCGCGCACCGCCCCGGCACGCACCTGCGGTCCGGAAGTTCT
CCCCTGACCTTAAGTTGCTTAAGGATGTAAAGATTAGCGTGAGCTTTACCGAGAGCTGCAGGAGTAAGGACAGGA
AGGTGCTGTACACAGGAGCAGAGCGCGACGTGCGGGCGGAGTGCGGTCTGCTCCTTAGCCCTGTGAGTGGGGACG
TGCATGCTTGTCCCTTTGGCGGGAGTGTGGTGACGGGGTAGGCATAGGGGGTGAGAGTGCTGATAAGAAGGATG
AGGAGAATGAGCTGGATCAGGAAAAGAGAGTGGAGTATGCAGTGCTCGATGAGTTAGAAGATTTTACTGACAATT
TGGAGCTAGATGAAGAAGGAGCAGGCGGGTTACGGCTAAAGCAATCGTTCAGAGAGACAGAGTGGATGAAGAGG
CCTTGAATTTCCCCTACGAGGATGACTTTGACAACGATGTGGATGCTCTGCTGGAAGAAGGCCTTTGTGCCCCCA
AAAAGAGGCGAACAGAGGAAAAATATGGCGGAGACAGCGACCATCCGTCCGATGGAGAGACAAGTGTGCAGCCGA
TGATGACCAAGATTAAAACAGTGTCTAAAAGTACGTGGCCGCCACCTACAGAGCCGCTGCCCCAGCGGTGGATC
ATGACATTCCATAACTCTGGAGTCCCGGTGTACCTACACAGAGAGTCTCGGGTGGTCACCTGGTCCAGGCCATAC
TTCTTGGGAACGGGAAGCATACGGAACACGACCCCTCCTCTGAGTAGCATCCCTTGTCTGCATTATAAGAAAATG
AAGGACAACGAGGAACGGGAGCAAAGCAGTGACCTCACCCCTAGTGGGGATGTGTCCCCCGTCAAGCCCCTGAGC
CGATCTGCAGAGCTGGAGTTTCCCCTGGATGAGCCTGACTCTATGGGTGCTGACCCGGGGCCCCCGGACGAGAAA
GACCCACTAGGGGCTGAGGCAGCCCCTGGGGCCCTGGGGCAGGTGAAGGCCAAAGTCGAGGTGTGCAAAGATGAA
TCCGTTGATCTCGAGGAATTTGGAAGCTACCTGGAGAAGCGTTTGTACTTTGAGCAAGTTACTGTGAAAAAATTC
AGGACTTGGGCTGAGCGGCGGCAATTCAATCGGGAAATGAAGCGGAAGCAGGCGGAGTCCGAGAGGCCCATCTTG
CCAGCCAATCAGAAGCTCATTACTTTATCAGTGCAAGATGCACCCACAAAGAAAGAGTTTGTTATTAACCCCAAC
GGGAAATCCGAGGTCTGCATCCTGCACGAGTACATGCAGCGTGTCTCAAGGTCCGCCCTGTCTATAATTTCTTT
GAATGTGAGAACC²CAAGTGAGCCTTTTGGTGCCTCGGTGACCATTGATGGTGTGACTTACGGATCTGGA³ACTGCA
AGCAGCAAAAAA⁴CTTGCGAAGAATAAAGCTGCCCCGAGCTACACTGGAAATCCTCATCCCTGACTTTGTTAAACAG
ACCTCTGAAGAGAAGCCCAAAGACAGTGAAGAACTCGAGTATTTTAACCATCAGCATCGAGGACTCGCGGGTCT
TACGAGCTGACCAGCAAGGCTGGGCTGTTGTCTCCATATCAGATCCTCCACGAGTGCCTTAAAGAAACCATGGG
ATGGGTGACACGTCTATCAAGTTTGAAGTGGTTCCTGGGAAAAACCAAGAGTGAATACGTCATGGCGTGTGGC
AAGCACACAGTGC⁵CGGGTGGTGTAAAGAACAAGAGAGTTGGAAAGCAGTTAGCCTCACAGAAGATCCTTCAGCTG
CTGACCCACATGTCAAGAACTGGGGTCTTTACTGCGCATGTATGGCCGTGAGAGCAGCAAGATGGTCAAGCAG
GAGACATCGGACAAGAGTGTGATTGAGCTGCAGCAGTATGCCAAGAAGAACAAGCCCAACCTGCACATCCTCAGC
AAGCTCCAAGAGGAGATGAAGAGGCTAGCTGAGGAAAGGGAGGAGACTCGAAAGAAGCCCAAGATGTCCATTGTG
GCGTCCGCCCAGCCTGGCGGTGAGCCCCTGTGCACCGTGGACGTTGTGAGGGAGGTGGCACGGGCCAGGGCGCGGG
GGCCGCCAGCCGCACTTCTGAGGAGACCAGCAGTCATGCATCGTGCACCCACAGTGTGAGGCCTCCAACCCACGCT
CCTTCCCTGTGGCCAACCTGTGGGCCCGGCCTTAGGGTGGAGGCTTTAGTGTACAGGGACAGCCATGGCCACACA
GCACACATGTGGAGCAGCGGCTCTCCCTGGAAAGCTCCAGGCCTGAATGGATGGACTCAGCGACTGCACCAAGTGG
CAGCTGGTGA⁶CTGTGGACAGTGGTGGACCCCTGCTTCTGTGCACCTGCTGCAGGCTCTTTTTATGAAGGCTTTTCA
GAATTTTAGTATGTAATACGCACTGACGACACATGATGCTTGGATGACAGATGAGAGGGGATGGCTGAGTCTGTG
GGCTGGCCCGTGATGCCAGGTGGCCCATGTGCCAGGGCGCCTGCAGGGCTGCTACAGGGACCTGGTCAAGGAGGT
GCACATGGTGCCTTGCCTCACCCACCCCTCTGTGTTTTCCCTTCTTTGAAAAGGTAGAAGAGAAAGGAATATTTT
AAACCTTTTTTGGCTTAAACAGAATTTTAGCATCAGAACTAGCTTTCTGGGATTGGAGGCAAACCATCAAGGTGGT
CCCTCTCCAGTCTGGACACGATGCCAGCAAGGATGACGTCTGCCACCTCCTGGAGTTACCCTGGCCTCCTAGGG
TCCCTTTTTTCTGATGAAGTCTTAATTCCTAAAAGCGCTCTTTGGACACTGAGGCCCTCTCTGCCTTTCTGGC
CTCCGGCAACAGTTTTTTACAAAGATTTTTTGCAGTCGAGTCCATATGTCCACCCATTGATTTTTTAAAGCTTTTG
TGATATTTTAGCATTTTGAAAGACTTTCACAGTGAGAGTAGAAGGTAGATTGGAATCATGCATTTTAGCAAGTG

6457/6881
FIGURE 5960B

GACTTGTGAAACAGGAAGCAAGGGCCTTCAGTGTAGCCCATTCTTGATCCAGAGCTGTTGCCTGTGACAGCGGT
TTCTCTGGATGTCAAAGGCAGCTGCCTGGTGCCCAGCTTGCTTCTCGACTGGTGGCCCCCTATGGGTGGGTGTGCG
ATGGAAATGTGTTCCCTGCCGGAGTCTGAGGCACCAGGGTGTGCTCAAAGGCTGGCCCTGGTGGTGGACTGGCACC
TGTGCAGAGTGCCGTGTGCTTGTGGTGCGCCATCTGAAGCAAGAGTCCAGCGTTCTGCCGTGTCTGTCCCCCACC
ATGCCCCCTACAGGCGGTACTGATGGCGCTTTTTTTTTTTTTTCTGTTCAGGAAAAACAATGTTGGCCTGTGGGCGG
CCCACAACATATCCTTCCCTCACTACCTGTGTGACCAAGGTTGGCTTCTGTTGACCTTTAAAAAAGAAACCCCTCA
ACTCAAATTGCTATAATTAGACACTTGCTTCTGTCTTGCCTCTCTGTCTGCAGCTGTGAATAGTCATTTGACTGTG
ACTGTTGCCCTTAGCCAGCCAGATGCGCCTGTGAACCAAAGCTTCGTGCACATGTGTTCCCTTAAAGGTTGGGGA
GCCTCGCTGTGTCTTGCTGTTCCAGGCACCACCACAGCAGGTGCTGCCATACTCTTGTGGTCTCTGTGCGCCCC
CCCCCCCCCCCCACCCGTCTGCCAAGCATGGGTATGAATCGTGCACACAGCCATGCTTCAAGGCCGGGGCAGGGG
AGCCTGTGCTGATGCCATCCAGGGCACTGGGCTGTGCCTGGAAGGCGAGCCTTGATTGTCTGAACACATAAAGCA
AACTGTCCAG

6458/6881
FIGURE 5961

GTTGCCAGAAGCCAGGATCATAGAGACGCTCGGCCTCCGCCGCACGCGCTGGCGGACTAAGAGTGGCTGGCGAAG
CGAGCGGCCGGCGCGGGCCCCCTGGCGGGCGGGCGGTACAGCCCCAAGCCTGAGACCCGGACCTGAGCATCGCAGG
TTCGAGTCCCCGCCCGCCTGGGGCGAAGCCGGGGGTGGCGGGCAGCTCGCGGCGTTGCACCGGCTCTGTGAGCAC
CTCCCCCTCTGAGCACTTCCCTTGTGACAGGCCACTTCCCTTGTGACAGGCCCAGGACGAGGTGGCCAGGCGGGCC
CCATGGCGTCCCTGGTCTAGGCGGAGAACCCTGGGCGATGAGTGAGAACCTCGACAACGAGGGCCCCGAAGCCC
ATGGAGAGCTGTGGCCAGGAGAGCAGCAGTGCCCTGAGCTGCCCTACCGTCTCGGTGCCCCCTGCAGCCCCGGCA
GCCCTGGAGGAGGTGGAGAAAGAGGGCGCTGGGGCGGCTACAGGGCCGGGGCCTCAGCCCCGGGCTCTACAGCTAC
ATCAGGGATGACTTGTTTACCTCTGAGATCTTTAACTGGAGCTGCAGAACGTGCCTCGCCACGCCAGCTTCAGC
GACGTCCGGCGCTTCCCTGGGCCGCTTTGGTCTGCAGCCCCACAAAACCAAACCTCTTTGGGCAACCACCCTGCGCC
TTTGTGACATTCCGCAGCGCTGCAGAGAGGGACAAGGCCCTGCGCGTTTTCATGGTGGCCTCTGGAAAGGCCGC
CCACTCAGTGTGCGCCTGGCCCCGGCCCCAAGGCCGACCCCATGGCCAGGAGGAGGCGACAGGAGGGTGAGAGTGAG
CCACCAGTAACACGAGTGGCCGACGTGGTGACCCCTCTATGGACAGTGCCCTATGCTGAGCAGCTTGAGCGGAAG
CAGCTGGAGTGCAGAGCAGGTGCTGCAGAACTTGCCAAGGAAATCGGGAGCACCAACCGTGCCTTGCTGCCCTGG
CTGCTCGAGCAGAGGCACAAGCACAACAAGGCCCTGCTGCCCCGCTGGAGGGGGTTCAGGCCATACCCCCAGCAGACT
GAGTATCGTAATAAGTGTGAGTTTCTGGTTGGCGTCGGGGTGAGTGGGGAGGATAACACCGTGGGCTGTGCGCTC
GGCAAGTACAAGGGCGGGACGTGTGCTGTGGCAGCCCCGTTTGACACCGTGCACATCCCCGAAGCCACCAAGCAG
GTGGTGAAGGCCTTCCAGGAGTTTCATCCGGTCCACTCCATACTCGGCATACGACCCAGAGACGTACACAGGCCAC
TGGAAGCAGCTGACTGTGCGCACCCAGCCGCCGCCACCAGGCCATGGCCATTGCCTACTTCCACCCCCAGAAGCTG
AGCCCTGAGGAGCTGGCAGAGCTGAAGACCTCCCTAGCGCAGCACTTCACAGCAGGGCCAGGCAGGGCCAGTGGA
GTGACCTGCCTCTACTTCGTGGAGGAGGGACAGCGAAAGACTCCTAGCCAGGAGGGCCTGCCCCTGAGCATGTG
GCTGGGGACCGGTGCATCCACGAGGACCTGCTAGGGCTGACCTTCCGGATCTCTCCACACGCCTTCTTCCAGGTG
AACACACCCGCAGCCGAGGTGCTCTACACAGTCATCCAGGACTGGGCCCAATTGGATGCGGGGAGCATGGTGCTG
GACGTGTGCTGTGGCACCGGCACCATTTGGCCTGGCCCTGGCCCCGAAGGTAAAGAGGGTCATTGGGGTCGAGCTA
TGCCCAGAGGCTGTGGAGGACGCCCGGGTGAACGCCCAGGACAATGAGTTGAGTAATGTGGAGTTCCACTGCGGG
AGGGCCGAGGACCTGGTGCCACCCCTGGTGGGCAGACTGGCCTCCAGCACCTCGTGGCCATCCTGGACCCACCC
CGTGCTGGCTTGCAATTCCAAGGTGATCCTGGCCATCCGAGAGCTAAGAACCTCAGGCGGCTGCTGTACGTCTCA
TGCAACCCCCGGGCAGCCATGGGCAACTTTGTGGACGCCCCCTTTTCCCCCACAGCCTCTGCAGAGCCCCATC
TAACCGGGTGAAGGGCATTCCCTTCCGGCCGGTCAAGGCTGTGGCAGTGGACCTGTTCCCGCAGACCCCGCACTG
TGAGATGCTCATCCTGTTTGTAGAGGGTGGAGCACCCCAATGGCACAGGGGTCTTGGGGCCCCACAGCCCTCCAGC
TCAACCCACACCAGGACCCCCAGATAACACCCTACAAGAACTGGGACCTTCCCTCATCCTAGGCCCAGGACCC
ATTATGGGGACAGGAGCTGAAGGGCTCCCAGGGCCCCAGGGGCGGGGAAGGCATGGCTTGCTGGCCAGGATATTC
AGAGGTAGGCAGCCAAAGGGCACAGAACCCTGTGCCCCACCAGGATTGGCCTGCTGCTAGGGGCCAGGGGCCCTG
ACCAGGAAGACAGTGGGTTTCTGTAGCCTGTTGCCCATCCCCAGGGCCTTTGTGGACTAGCCAAGGCTGTGAGG
GCCAGAATAACAACCTGCTCAAC

6459/6881

FIGURE 5962

MSENLDNEGPKPMESCGQESSALSCTVSVPPAAPAALEEVEKEGAGAATGPGPQGLYSYIRDDLFTSEIFKL
ELQNVPRHASFSDVRRFLGRFGLQPHKTKLFGQPPCAFVTFRSAAERDKALRVLHGALWKGRPLSVRLARPKADP
MARRRRQEGESEPPVTRVADVVTPLWTVPYAEQLERKQLECEQVLQKLAKKEIGSTNRALLPWLLEQRHKHKNKACC
PLEGVRFSPQQTEYRNKCEFLVGVGVDGEDNTVGCRLGKYKGGTCAVAAPFDTVHIPEATKQVVKAQFQEFIRSTP
YSAYDPETYTGHWKQLTVRTSRRHQAMAIAYFHPQKLSPEELAEKTSLAQHFTAGPGRASGVTCLYFVEEGQRK
TPSQEGLPLEHVAGDRCIHEDLLGLTFRISPHAFFQVNTPAAEVLYTVIQDWAQLDAGSMVLDVCCGTGTIGLAL
ARKVKRVIGVELCPEAVEDARVNAQDNELSNVEFHCGRAEDLVPTLVGRLASQHLVAILDPPRAGLHSHKVLAIR
RAKNLRRLLYVSCNPRAAMGNFVDAPLFPPQPLQSPI

6460/6881
FIGURE 5963

CAGTGGCTCACACAGGTCACCTGCACGCCAGGGCCTGCCCTCCCCGCCCCGSCACTCCCCACTCACCAGGGCCCTC
TGCCAGCCCTACACGGCACACGCTGGTTAAGAAGGTGTCCGGCGTGGGTGGGACCACCTACGAGATCTCGGTGTG
AGGACTGACTGCCACACATCCGCCATGGTGCCACGGGGACCAGGACCCACAGCGCACCCCCCTCCCCACCAAC
TTCTCTGCCCCAGGGACCCGAGGCCACCCAGCCTGGTGTGGACCCATCGGCGGGAGAGAGTGCCACGCCTCCAC
AGCTTGCCCCAAGCGCTCTGCCTGCCCCTCCACTCATCTGCCCATGGGGAAGTCGGCTCACTGGGACAAGGGCCA
CTGGGCTGGTCTGTGTCTGGGCCTGTCCCATGGCTGGGGCAGTGAGGGGGCCCAGTCAGCCTCTTTGGGGCACCC
TCTCTCAGCCAGGCTTGCCCCACTGCCATCACCAGCACCCAGATCACCGCCAGGCCAGCCCCAATGGTCCCC
TTACGGACAGGTCCCAGAGATGGACAGAGGCACCCAGGGCCCCCACCCTCCTTCTGACACAGCCTGTGGGCTCCC
GGACCGAGTGTCCCCCGCCAGGCTACTCCTAACTAACGCGTTGCCTTTCACGGACCCCGCTGGAAGCTTGTAGCT
TGGCAAGGCTGATGCTTCTGCCCTGGCCTGCTCTGGGTGGTGGTGA

6461/6881
FIGURE 5964

TCTTCTCGAGGCCCTCCGTTGCCTCGTCTGTGCCCCGGGCGGTGGTGCTTACCCGGCGGGGTCGCAGGGAGGTCTCG
TGGCGGCGCGTGTGTTGGGTCTGCGTTTCCCCTCTGGGGTGCTTGGGCAGCATGAGCCCAGGGCTGTGGACAGCCTG
GTGCTCACGGGTTTGTGGCTCCACAGACTTCCCAAGAAGGACAACCCGAGGCGAGGCTTGTGGCTGGCCAACTGC
CAGCGGCTGGACCCCAGCGGCCAGGGCCTGTGGGACCCGGCATCCGAGTACATCTACTTCTGCTCCAAACACTTT
GAGGAGGACTGACCGAGGGGCTGCCCAGCAAGACTGCAGCCTCTTCCTCCCTCAGATCCCACCAGACCCACCAGG
TGCCATAATAAAGCGGATTCTAGACGGAG

6462/6881
FIGURE 5965

CGTGAGTGCCGCTGACAGAAGTCAAGAGAATCGGCTGGGACGGGGTTGGGGCGACAACGGGCCGGGGGGGACCCG
ACAGGCCAGAGCCCCCTTGGGGAGGAGCGGCGGCTGGAGGCGCGAGGCTCCTCCGGATGCCCGGAGAGCCGCTTGC
GACTTAACTCCCGCCTCTTTCCCAGATGCCGCGTCACTGCTCCGCCGCCGGCTGCTGCACACGGGACACGCGCGA
GACGCGCAACCGCGGCATCTCCTTCCACAGACTTCCCAAGAAGGACAACCCGAGGCGAGGCTTGTGGCTGGCCAA
CTGCCAGCGGCTGGACCCCAGCGGCCAGGGCCTGTGGGACCCGGCATCCGAGTACATCTACTTCTGCTCCAAACA
CTTTGAGGAGGACTGCTTTGAGCTGGTGGGAATCAGTGGATATCACAGGCTAAAGGAGGGGGCAGTCCCCACCAT
ATTTGAGTCTTTCTCCAAGTTGCGCCGGACAACCAAGACCAAGGACACAGTTACCCACCTGGCCCCCTGAAGT
CAGCCGGCTCAGACGATGCAGGAAGCGCTGCTCCGAGGGCCGAGGGCCCCAAGTCCATTTTCTCCACCTCCACC
TGCTGATGTACCTGCTTTCCTGTGGAAGAGGCCTCAGCACCTGCCACTTTGCCGGCCTCCCCAGCTGGGAGGCT
GGAGCCTGGCCTTAGCAGCCCCCTTTTCAGACCTACTGGGCCCCCTTGGGTGCCCAGGCAGATGAAGCAGGCTGCAG
CGCCAGCCTTCACCAGAGCGGCAGCCCTCCCCTCTCGAACCACGGCCAGTCTCCCCCTCAGCGTATATGCTGCG
CCTGCCCCCACC CGCGGAGCCTACATCCAGAATGAACACAGCTACCAGGTGGGCAGCGCCTTACTCTGGAAGCG
GCGAGCCGAGGCAGCCCTTGATGCCCTTGACAAGGCCAGCGCCAGCTGCAGGCCTGCAAGCGGCGGGAGCAGCG
GCTGCGGTTGAGACTGACCAAGCTGCAGCAGGAGCGGGCACGGGAGAAGCGGGCACAGGCAGATGCCCGCCAGAC
TCTGAAGGAGCATGTGCAGGACTTTGCCATGCAGCTGAGCAGCAGCATGGCCTGAGGGGGCTGCTGGACTGACCGA
GGGGCTGCCCAGCAAGACTGCAGCCTCTTCCTCCCTCAGATCCCACCAGACCCACCAGGTGCCATAATAAAGCGG
ATTCTAGACGGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6463/6881
FIGURE 5966

MPRHCSAAGCCTRDTRNTRNGISFHRLPKKDNPRRGLWLANCQRLDPSGQGLWDPASEYIYFCSKHFEEDCFEL
VGISGYHRLKEGAVPTIFESFSKLRRTTKTKGHSYPPGPPEVSRLRRCRKRCSEGRGPTTTFSPPPPADVTCFPV
EEASAPATLPASPAGRLEPGLSSPFSDLLGPLGAQADEAGCSAQSPERQPSPLEPRPVSPSAYMLRLPPPAGAY
IQNEHSYQVGSALLWKRRAEAALDALDKAQRQLQACKRREQRLRLRLTKLQQERAREKRAQADARQTLKEHVQDF
AMQLSSSMA

6464/6881
FIGURE 5967

CGGGAAGATGGCGGGCCGGGCGACTTGAGATCCGCGGGTCTCCCTGCTCCTTTTCCGTCTGCGTCTGGGAGCTCCC
GGGCACGTGAGGCCGTGCCGCGTTTACTGGCGGGAGGGACGGCCTAGCCGGGCGACGCCTCGGAGGAGGCCGCGG
ACCCCTTAGGTGCTGGGCCCTTGGAATCGGCGCGTGGGGGGCGGTGCTCGAGCTGAGCGCGAGAGGGCGGGAGA
GCTCGTGGGGTGCGAGGGGAGCAGGACGCCCCGGCCGGGCAGCATGAGTCAGCAGCGGCCGGCGAGGAGATTACCC
AGTCTCCTCCTGCACCCGACGGAGGAGACCCCATCAACGTGGAGGGCCTGCTGCCATCAAAAATAAGGATTAATT
TAGAAGATAATGTACAATATGTGTCCATGAGAAATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAAC
GAAACTGGGAGTCCGAAAGCGGAGAGTGTATGACATCACCGATGTCTTAGATGGAATCGACCTCGTTGAAAAGAA
ATCCAAGAACCATATTAGATGGATAGGATCTGATCTTAGCAATTTTGAGAGCAGTTCCCCAACAAAAGAAGCTACA
GGAGGAACCTTGCTGACTTACCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTGCTCAGCAGCTGTT
TGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGCATTACAGGCCTT
CCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCAGCTCCCAGAGAAGACTC
TATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCTATTTGTGAGAAGTGGAGCAGGGTCAGACCAG
TAACAAAAGGTCTGAAGGTGTCAGGACCTCTTCATCTGAGAGCACTCATCCAGAAGGCCCTGAGGAAGAAGAAAA
TCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGCAACTGATGGCATTGAGAATTTATGTATCACTGAGTTTTTT
GGGAATATCTTCTGGAGAATTACGCATCAAATTTGATTCTCAGAGCAATAAATTATCCATGAAGTGCTCTCGTT
CTCAGTAGCGGCATCATGGCCAGTAGTGTCTTTGAGGAGTTCACCACTTAGATTACTGAGTAATTGTGGTTTTCCA
CATTTGAAAACAACCTCTTTTATAATTATTCAGTGTCTTTTGTGAGTGAATAGACATCTTGCCCTCTGAAGTAG
CTTCATCACAGAGTGTATGAAGACAGACAGTCAGGCTGAAAAGGACAGTTCTTTGTGGACTCTACCCCTCCCTT
CAAGGAGTATGTCATATGTCACAAAAGAAATTGCCTTACACTGGTTCATGTTTGCAGTTACTGTTGTACATTGCA
TAGATGTACACACGAATTTAAATGTGATGTCTTTGTATATATCTGTATAATGTTGAGATTACTTACGAAATATGT
CTGAGTGACACTTTTCACTCTCGTACAGCCAAAAATAATGTATATATGGAAAGTGACAGACAAATCTCTAATCTC
TTTGGTATCTATAACTTATTAGAATCCTCTGGATGAGGGTTAGAAGAGACTTTTTTCCAACTTCTACATGTAGAA
GTATCATAAATGTGCTACACATTTATGTTTGTGGATTTAATTAAGTATTTTAAATATGGTTTTTCAGTGCTAAAT
TGGAGTCAGATACTTCTTGGTTTTTAAGCTGTCTACCTAATTGCTGTCTCCAGCAGATCGGTGGCATGCCAGTG
GCTTTGGGGGCAAGGATAGAAATGTCATCAGGAAATAGCTGAATTCATTGTGAAACATGAATTCAGTCATGGTGA
TAATTGGAACTCCTTTTCAAGTTTTTGCAAGTAGATTTTGTAAATGTTTGTGTATGCAGCCTTGCTGTTGAGTCAG
TCCAAGGGGTTTTTACTTAGGACAAGTTGTACCTTGCCCTCTCTCCAGCTCTGCTCCACATTTTCATACCTAG
CTATTTCTACCTCATTGGGTAAAGTCATTTACCACTCTGTGCCTCAGTTTACTCTGTAGTTTACCATTAGACTGTG
AGCTCCTTGAGGGACTTTGTCTATAATCACTGTTACATCCCAGTGCCTCACACCATGCCTGGCCCTTAAGAAGTGC
TCAATAAATGTCTGAACAAAAAACAACAAAAA

6465/6881
FIGURE 5968

CGGGAAGATGGCGGGCCGGGCGACTTGAGATCCGCGGGTCTCCCTGCTCCTTTTCCGTCIGCGTCGGGAGCTCCC
GGGCACGTGAGGCCGTGCCGCGTTTACTGGCGGGAGGGACGGCCTAGCCGGGCGACGCCTCGGAGGAGGCCGCGG
ACCCCTTAGGTGCTGGGCCCTTGGAATCGGCGCGTGGGGGGCGGTGCTCGAGCTGAGCGCGAGAGGGCGGGAGA
GCTCGTGGGGTGCGAGGGGAGCAGGACGCCCCGGCCGGGCAGCATGAGTCAGCAGCGGCCGGCGAGGAGATTACCC
AGTCTCCTCCTGCACCCGACGGAGGAGACCCCATCAACGTGGAGGGCCTGCTGCCATCAAAAATAAGGATTAAATT
TAGAAGATAATGTACAATATGTGTCCATGAGAAATCTGCTCCCGGGGGTATTCTTGACTTAAACAAGGTTGCAAC
GAAACTGGGAGTCCGAAAGCGGAGAGTGTATGACATCACCGATGTCTTAGATGGAATCGACCTCGTTGAAAAGAA
ATCCAAGAACCATATTAGATGGATAGGATCTGATCTTAGCAATTTTGGAGCAGTTCCCCAACAAAAGAAGCTACA
GGAGGAACTTTCTGACTTACCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTGCTCAGCAGCTGTT
TGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGCATTACGGCCTT
CCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCAGCTCCCAGAGAAGACTC
TATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCTATTTGTGAGAAGTGGAGCAGGGTCAGACCAG
TAACAAAAGGTCTGAAGGTGTCAGGACCTCTTCATCTGAGAGCACTCATCCAGAAGGCCCTGAGGAAGAAGAAAA
TCCTCAGCAAAGTGAAGAAATGCTTGAAGTAAGCAACTGATGGCATTGAGAATTTATGTATCACTGAGTTTTTT
GGGAATATCTTCTGGAGAATTACGCATCAAATTTGATTCTCAGAGCAATAAATTATCCATGAAGTGCTCTCGTT
CTCAGTAGCGGCATCATGGCCAGTAGTGTCTTTGAGGAGTTCACCACTTAGATTACTGAGTAATTGTGGTTTTCCA
CATTTGAAAACAACTCCTTTTATAATTATTCAGTGCTTTTTGTGAGTGAATAGACATCTTGCTCCTGAAGTAG
CTTCATCACAGAGTGTATGAAGACAGACAGTCAGGCTGAAAAGGACAGTTCTTTGTGGACTCTACCTTCCCTT
CAAGGAGTATGTCATATGTCACAAAAGAAATTGCCTTACACTGGTTCATGTTTGCAGTTACTGTTGTACATTGCA
TAGATGTACACACGAATTTAAATGTGATGTCTTTGTATATATCTGTATAATGTTGAGATTACTTACGAAATATGT
CTGAGTGACACTTTTCACTCTCGTACAGCCAAAATAATGTATATATGGAAAGTGACAGACAAATTCTCTAATCTC
TTTGGTATCTATAACTTATTAGAATCCTCTGGATGAGGGTTAGAAGAGACTTTTTCCAACTTCTACATGTAGAA
GTATCATAAATGTGCTACACATTTATGTTTGTGGATTTAATTAAAGTATTTAATATGGTTTTTCACTGCTAAAAAT
TGGAGTCAGATACTTCTTGTTTTTAAGCTGTCTACCTAATTGCTGTCTCCCAGCAGATCGGTGGCATGCCAGTG
GCTTTGGGGGCAAGGATAGAAATGTCATCAGGAAATAGCTGAATTCATTGTGAAACATGAATTCAGTCATGGTGA
TAATTGGAAACTCCTTTTCAGGTTTTTGCAAGTAGATTTTGTAAATGTTTGTGTATGCAGCCTTGCTGTTGAGTCAG
TCCAAGGGGTTTTACTTAGGACAAGTTGTACCTTGCCCTCTCTCCAGCTCTGCTCCCACATTTTACATACCTAG
CTATTTCTACCTCATTGGGTAAAGTCATTTACCACTCTGTGCCTCAGTTTACTCTGTAGTTTACCATTAGACTGTG
AGCTCCCTGAGGGACTTTGTCATAATCACTGTTACATCCAGTGCCTCACACCATGCCTGGCCCTTAAGAAGTGC
TCAATAAATGTCTGAACAAAAAAAAAAAAAAAAAAAA

6466/6881
FIGURE 5969A

CAAGAACGTCCTAGCCGCCAGCAGCATCTATTTCAAGTCCCTGGTCTGCACGACAACCTCATCAACCTGGACAC
AGACATGGTCAGCTCCACAGTGTTCCAGCAGATCTTGGACTTCATCTACACAGGCAAGCTGCTGCCAGCGACCA
GCCAGCCGAGCCCAACTTCAGCACCTCTCTACTGCCGCCAGCTACCTCCAGCTGCCGAGTTGGCAGCCCTCTG
CCGCCGCAAACCTCAAGCGAGCCGGCAAGCCCTTTGGCTCTGGGAGGGCGGGGTCCACTGGCATGGGGCGGCCCC
CCGCAGCCAGCGGTGTCCACGGCTCTGTATCCAAGCTCGGTATCAGGGGCTCGTGGATGGGCGCAAGGGGGC
CCACGCCCCCAGGAGCTCCCCAAGCCAAAGGCTCAGACGATGAACTCTTCTTGGTGGCTCTAACCAGGATAG
CGTGCAAGGTCTGGGCGGGGTGTCTGCCAGCTGGCGGGGAGGCGGGTCTGGGGGGCTGCAGCAGCAGACCAA
CGGGAGCAGCGGGGGTGCAGCAGGAGCTGGGCTTGGACCTGTCCAAGAAAAGCCACCCTTGCCCTGCCAC
CCCAGTCCCCACCTCACTCCCGATGACGCAGCCAGCTGAGCGACAGCCAACATGGCTCGCCCCCTGCGGCCTC
TGCTCCTCCCGTTGCCAACAGTGCCTCTTATTCTGAGCTGGGGGGCACCCCTGATGAGCCCATGGATCTGGAGGG
GGCCGAGGACAACCACCTGAGCTGTGGAGGCGCTGGTGGGCAGCCTCGGAAGAGCCTCCGGCACTCCACTCG
GAAGAAGGAGTGGGGCAAGAAGGAGCCTGTGGCTGGCTCCCCCTTTGAGCGGAGAGAAGCAGGGGCCAAGGGTCC
CTGCCCGGGAGAGGAGGGTGGGGGGTGGGGACAGGGTTCCCAATGGCATCCTGGCTAGTGGGGCTGGCCCTAG
CGGGCCCTATGGGGAGCCCCCTACCCCTGCAAGGAGGAGGAGGAGAACGGCAAGGATGCAAGTGAAGACAGTGC
GCAGAGCGGGAGCGAGGGGGGCGAGCGGCCATGCCAGCGCCCACTACATGTACCGGCAGGAGGGCTACGAGACGGT
GTCCTACGGGGACAACCTTGTATGTGTGCATTCCCTGCGCCAAGGGCTTCCCCAGCTCTGAGCAGCTCAATGCGCA
CGTGGAGACTCACACGGAGGAAGAGCTGTTTCATCAAGGAAGAGGGGGCTACGAGACAGGCAGTGGGGGTGCCGA
GGAGGAGGCCGAGGACCTGTGAGCACCCAGTGCAGCTACACGGCTGAGCCCCGGCCCTTCAAGTGTTCGGTCTG
CGAGAAGACCTACAAGGACCCAGCAGCAGCTGCGGCAGCAGAGAAGACGCACCTGGCTGACACGGCCCTTCCCTG
CAACATCTGTGGCAAAATGTTACGCAGCGCGGCACCATGACGCGTCACATGCGGAGCCACCTGGGCCTGAAGCC
CTTCGCTGCGATGAGTGTGGCATGCGCTTACCCGTCAGTACCGCTCACGGAGCACATGCGTGTGCACTCGGG
CGAGAAACCTTACGAGTGCCAGCTGTGCGGGGGCAAGTTACCCAGCAGCGCAACCTCATCAGCCACCTGCGCAT
GCACACCTCCCCCTCTAGAAGCCAAAGACCCGCGGGCGCCCTCTGCCACCTTGCTCCCCGGGAACCCATGGAAG
GAGAAGCGAGGTGATGCAGCAGCAGGGGCAAGACCCTGGGTCCAGTGGAGGCTCCGGGTGGCCCTCTGGCCCCC
ACTGCCACACCCAGAGCTTTAATGGACAGTCCGTACCAAGCAGAGCCGAGAGGAGGGAAGCCAGGGGTCCCAGC
CCGTCTACCTCCCCATCCCACCCAGGCCCCAGCTCCCCGCGGGGGCCACCGCAGGGCCTGTGGGTGGGTACG
TGGGTCTCGTGGGACCTGGTCCCTTTGTTGCAGGCGGCTTGGAGAAAGGGCAGTGGGACGCTGGCCACGGCCAG
GGTGGTGTGCGGAGCAGGCCTACCCCGCTGGCCGTGTCTGTGTGTGTGCACGTGTGCTTGTGTCTGTGCGGGCG
CGTGACCCCTGGTTCTGCAGGGAACAGGTGCTGGGGGTGCAGATCCCTCCCTCCTTGAGCCAGGGTGGCACTGT
TCACTGGCGCTGGGACAGTCAGGGTGACCCACCGCCTACCTCTCTACATCTAAAGAGCCCTCTGGGCCTGTGTT
GCTGTTATTCTACTGATCTGTTCTCTGTTTTCTTTTTGATTTTTGTTTTTAAACCAAAACAGACAATAGCT
TATTTTCTTTCCGCCCCCTCCGGGGCTGAGCCTGGGTCTGAAGACTGAATGTAACAGGGGGCGCTGGCACTCCTG
CGCGTCCCCCGCTCTGGCGCTGCAGGGGTGTGCGCGGCCACCTCTCCAGGCCCCAGAAGCCCTTCTTGCCCAA
AGGCTTCCCTGGTCCCTGAGCCCTGCCTCGGCTGCCTCAGGGGAGAGTGCTTTTCTGTAGTTTCCAAGGAATAT
TCTTTGTTTAGAGGTAAGTGTGTTTTTATTAAGAGAAAACAGTGTAACGTTTATGTGACTGTTTGAAGTGGAG
GTCTGGGGTTCCGGGGGGTGGGGGGAGGCTAGACTCAATGCCGGGGCGTCGGTACTCTTGTGTTTTTCAATTTGTGTG
TGCCTGCGTGTGTGTGTGTGTGTATGTGCGTATGTGTGTGTCTATGTGTGGTGTGTGCCGTATGCATGGGCAGATGT
TTGCTTTTCCCTCCTTCCCTCGCTGAACAAGGTGGAGACTTCTGACCTTTTGCTACCTCTTGAATTCATGACAACG
ATATGTTGGTGAAGTGGCAGTGGAAGCCCTTGACACTCTTGTGTTTTCTTTCGCTTAGCACCTAGGAAGTCGTGTGCA
GGAGCCAGCAGGGCGCCAAGTGGCCAGTGCCTGCAGCTCACCTGTGGGTTTTCCCTTTGAGCCTTTGGCCACAT
CCACCTCGAGGGGACCTGGCACCCCGGGCACACAAACCTCTGTGGTATAGGTGAGGGGTGTGAGGCCCCAGCCT
GGAGCCAGGCACTGGGTGCTGACAGGGGAACCATGAGGAGGGTGGCAGGTCTTTGCAGCTCCCGGCCAGGGTGAG
GCGGAAGTGAGCCCTCATCCTGCCACTCCTATCCTCCATTCTGCAAGAGTTTTAAGCTTGAGAGAGCTGACCAC
AGGGCCCCCGGGGAACAGGGATGGCACTTCCCTGAGCAGTCTGGCCCCCGGCCACTGTCTCGGGGCCACCTC
TCGCCCCCTCATCTTGGTAATTAGCCAGCCTCAGATACTTCTGTGGGCCCTGAAGTGGGCTCTCAAGGTGAGACCA
AGGTTGCTGATCTCAGTCCCACTGTCTTCAGCCAGCTGAAGCTGTGGGGCTGGGCTGGCAGCCTTTATTGTGATC
TTGCTTACCATTTTTTTTTTCTCTCTTTTTTATTCTATTTTAAAGTTTAGACCAAAAAATACAGAGTCATCCCC
TACCCCCACCCCTCTAGAGACCTCCAGCTAAAAACAGAGCCTGAGTTCAGGGACCCAAGTGGTGAGCGGCGTCT

6467/6881
FIGURE 5969B

TTTGGGGGTGAGGGAGCTTGGGTAGATGAGGCTCCTGGCTGAGCCCTCCCTGTGGTGATCCCAGCCTAAGATGGC
CCCTCTTCCCTCCTGGTGGGAGACAGAGGACTGGACCCTGGGTCTCAGGTTCCAGCAAGTCAGGCTAGGGACCTG
GGGGGAGGAGACCCATGGACTTCACCCATACTCAGTGAGGGGGCTCCTGCCGTCCTGACGCCACCCCGCCCCATC
AGCACTTAAGCCACATGACACAAAGTCTGTACCGCACGGGAAATGTTACGCGCCTGGCCGTGTGCATGGCCTCC
CGGGCTGTGGGCAGCCGCATCTGTGAGGTGACTCGTGAAAGTAGGTGATTCTTTGCAGAACTTCAGGGACTGGG
AGCAGAGGCCCCCTCACTCAACGACGTTTGTGCGACATAGTATTGTATCCACCTTAGTATTGTATCGAGCCTTTTC
TGTGTTTTTAATGAGAAAGCAGAACACTAGTTTCCTATTTAAGACTTTAAGGGTTTGTGGGGCGGGCGGGATTAA
CACAACATTTGGCTTTGTTTTCTTTTCCCTTTGATTTCCACATCAGGTGTGTGCGAGTGTGTGTGTGTGGAGATG
TTAAGAGCCTCACAAGGAACTGGGTATTGGAGGCCAAGGCGGCTTACAGTTCTCTGCGTTCGTCACTTAATTC
CTGAATGTTTCAGAGAAACAGGAATCAGAAAATAGCAGATATCATGTAGGAAAGAGAGGATAAAACAAAGAAAAA
GAAAAAAAATAAGCTCATACCCAAATTCACAAAGCCTATTTTTTAAACCAAAGCACATTTTGAATGAGTATGGA
ACCTCCATGGGCTCAGAAAAAAGATGCTAATATATTTATCTCATTGTTTACATAAGCTTTTACAGTTTCAGACCT
CAGCAGCTGTAAGGCCAGTCCAGGGAACCCCTCCCTGCTGCTGGAAACCCCTTCTGAGTTGGCCCTGGAGTGGCTC
ACGGGCAGAGAAGGGTAGCCCTGGGGCTGGGGGAGGGATTGGAAGCCTCCCTGGAGTCACCTGAGCCCTCGTCCC
CATTCCCAGGGCCCCCTCCAAGCCAGCTGGCACCAAAGAGCTTGGGCCCCGTGCTGACCAGCCCCCAAGGCCCTCT
GGCCCGACCATGCTGGTCTCTGACCAGCTAGCCTACGCGGGGATGGCCGTCACTTCTGGCCACAGGACCCGAGTCT
GGGCTTGGGTCCCCCTGCTGCTCTGCCCCGTGACCCTTGGGGATGGGTGATGCGAGGGTCCCCTCAAGCCAAAA
AGCCGGGACCTTTGCGCAGCTCTGTGACTCTGGTGGGTCCCCACTCCTGGGGCCCCCTAACCCACCCAGGCA
GCGGAAGGGGCTGACTGGGTCTGGTCTTACCAACATAGACGGTGCAAACACTCTTAACAGTGTGTTTTTGTAT
CAATATGTTTGTGAGTGTGAATGTATTTATTTCTCAGACTTGGGGCGAGTGAGCGGGTGGCAGGCCGGGCTCC
GCCACTGCATGCTCCCGCCGACCGAGCCCCAGCAAGGGCTCCTCCAGGATTGCAAAAAAAGGAAGAGAAAA
GATGAACCTTTAAGCAAATAAGAATCTCAGAGACTCGCAGCATAGCCATACACCTCAGCCTGTGAAATGAACGAT
CCGGACCCCTACCAACTTTCCCCACCTCAGGCAGCCCTGTGTGTTTACCGTTCATCACCCTCGGGGGCACCGGG
CCGCCCCACCACTCCCAAAATCCGTGAGTATTCAGTGGACCTCAGGCCCTGTGAGGAGTGCATCCGGGCTGGG
CCGCTGGGCAGGCTGACCCCTGCCCTCCTGCGGCCATCCTGAGTTGGGGTGAGGCCTGGGCAGCCGGAGGGCAG
GGCTCAGGGAGCAGGAGGCTGCATCCGTCCACCCCCAGGCGTGGGGGACAAAAGCCAAAGGTGCCAGGCCTTAGA
GCAGACAAGGGCTCTCAGCCCTGGCATGCCCCCTAAAGGGACCAAGGTCTCCTATTTCCAGAACCCCGTTGGG
GCAGATGTTACTGAACCTGTGAATCAGACGCCAGGAGTGAGGGCTGGGGAGGGACCTAACTGGAGCCTCAGTCTG
ACATTCCACGCCGGGGTGGGGGTGGGCATGAGCGGTGGGAAGTGGGCTGCCAGGACCCCTTCTAGGATGCC
CCGGCTTCAGTCACCCACTTTAACTTTCTACCAGGACCCCTCCCCCTACCTCACCTTGCTATTTATTGCTGTA
ATTTATTGACCTCAAAAATGCTGCATAACAGACCTCACTGGGGCAGGAGGATCCCCAGGGCTCCCACCCCTCCAC
TTGGCGGGCCCCGTGGGGCCAGGTGCTGAGGGGAGCCTCTCTACCCACCCATCACTAGCTTCCCTCTGCCCTCT
CCCACCCCGGGGGGACCCAGGTTGGGCACTGGCTCATTCTCGCAAATACCTCGAAGGGGAGGGGGGAGGGATG
GGGTTATAGCTGTTTTGTTTAATTGGAAGTGAAGAGGGATCATGTTTTGTTTTATGCCCTTCCAGAAGGGGGG
AGGGACACCGGGATCGCACTCCTGTACTGGCCACCGCCGCTGTCACTTGTACATTGAGTTCATGTCCCTTGAGA
GTTTGTATAAATTCAGGTGAGAGCTGCAGCTACACAGCTGCCAGTGTATAGAAAAGCAATTCACCAACGACTG
ATCTCTCCATTGAGAAGTGTGCAGTCTTAAATGTACAGCGATAAGAACTGTTATTTTATGATCTTTTCATTAA
AGCTTGATTG

6468/6881

FIGURE 5970

MVSGPLALRWCAWAGRGDMGPDMEIPSHSKQLLLQLNQORTKGFLCDVIIMVENSIFRAHKNVLAASSIYFKSLV
LHDNLINLDTDMVSSTVFQQILDFIYTGKLLPSDQPAEPNFSLLTAASYLQPELAALCRRKLKRAKPFPGSGR
AGSTGMGRPPRSQRLSTASVIQARYQGLVDGRKGAHAPQELPQAKGSDDFLGGSNQDSVQGLGRAVCPAGGEA
GLGGCSSSTNGSSGGCEQELGLDLSKKSPPLPPATPGPHLTPDDAAQLSDSQHGSPPAASAPPVANSASYSELGG
TPDEPMDLEGAEDNHLSSLLEAPGGQPRKSLRHSTRKKEWKGKEPVAGSPFERREAGPKGPCPGEEGEGVGDRVFN
GILASGAGPSGPYGEPPYPCKEEEEENGKDASEDSAQSGSEGGSGHASAHMYRQEGYETVSYGDNLYVCIPCAGK
FPSSEQLNAHVETHTEEEELFIKEEGAYETGSGGAEEEEAEEDLSAPSAAYTAEP RPFKCSVCEKTYKDPATLRQHEK
THWLTRPFPNCNICGMFTQRGTMTRHMRSHLGLKPFACDECGMRFTQYRLTEHMRVHSGEKP YECQLCGGKFTQ
QRNLISHLRMHTSPS

6469/6881
FIGURE 5971

GGGCTGTCCGGCCCACTCCCCTGGGAGCGCGAGCGGTGGACCCAGGCGGCC**ATG**TCCCGCCCTCGCATGCGCCTG
GTGGTCACCGCGGACGACTTTGGTTACTGCCCCGCGACGCGATGAGGGTATCGTGGAGGCCTTTCTGGCCGGGGCT
GTGACCAGCGTGTCCCTGCTGGTCAACGGTGCGGCCACGGAGAGCGCGGGCGGAGCTGGCCCCGAGGCACAGCATC
CCCACGGGCCTCCACGCCAACCTGTCCGAGGGCCGCCCGTGGGTCCGGCCCCGCCGTGGCGCCTCATCGCTGCTC
GGCCCCGAAGGCTTCTTCCTTGGCAAGATGGGATTCCGGGAGGCGGTGGCGGCCGGAGACGTGGATTGTCCTCAG
GTGCGGAGCCGCGAGCTACAGGAGGATGCTCGCGAGGACCCCCAGAGCTCCGCCCCGAGGGTACTGTGAGGCCGTT
AGGAGCTGGCGGTGGATGACTTCCGCATTCAAACACTGGAGCCATCACACGGAAGCACGAGGAGGGTATCCTCGG
CAGCTACTCCCGGTGCTCAAGGTGTCTCTCGCTCGCCCTCTAGGTGCGGGAGGAGCTCGAGGCCCACTAAGCT
GCTTCCGGGAGCTGCTGGGCAGGGCCCCCACGCACGCGGACGGGCACACGTCACGTGCTCCCAGGTGGAC
AGACGCCTTCGTGGGCCTGAGCACTTGCGGCCGGCACATGTCCGCTCACCGCGTGTCCGGGGCCCTGGCGCGGGT
CCTGGAAGGTACCCTAGCGGGCCACACCCTGACAGCCGAGCTGATGGCGCACCCCGGCTACCCAGTGTGCCTCC
CACCGGCGGCTGCGGTGAAGGCCCCGACGCTTCTCTTGCTCTTGGGAGCGGCTGCATGAGCTGCGCGTCCTCAC
CGCGCCACGCTGCGGGCCAGCTTGCCAGGATGGCGTGCAGCTTTGCGCCCTCGACGACCTGGACTCCAAGAG
GCCAGGGGAGGAGGTCCCCTGTGAGCCCACTCTGGAACCCTTCCTGGAACCCTCCCTACTCTGACCCCTACAGA
CAACCAAGCACTAATCCCCTTAGTACCAAGAAAGGGGAGCCAGGATTTAGTCCTGGCCCAGCCCAGAGCTGGGAC
CTGGAGCACGATCTGTTGACTTCCCTGGGTAGGACACTGCCACCTCTGGGCTCAGGTCCCTCATGCCTCCAAATGG
CATCTAGAGTTTGAGCAGCCTTCTTGGCTGCAGGCAGGCCTAGCCTGTGGCAGCGGGCTAGGGCCCGCAGAGCAT
TTGGTGCCCTCCATGTTGCAATGCAAACACCTTACCCTGGGGCAGTGGGGAGAGATGGCTATATTAATAAAA
TAACGTGTGTCTTTC

6470/6881
FIGURE 5972

MSRPRMRLVVTADDFGYCPRRDEGIVEAFLAGAVTSVSLLVNGAATESAAELARRHSIPTGLHANLSEGRPVGPA
RRGASSLLGPEGFFLGKMGFREAVAAGDVDLPQVREELEAQLSCFRELLGRAPTHADGHQHVHVLPGVCQVFAEA
LQAYGVRFTRLPLERGVGGCTWLEAPARAFACAVERDARAAGPFSRHGLRWTDADFVGLSTCGRHMSAHRVSGAL
ARVLEGTLAGHTLTAELEMAHPGYPSVPPTGGCGEGPDAFSCSWERLHELRLVLTAPTIRAQLAQDGVQLCALDDLD
SKRPGEEVPCEPTLEPFLEPSLL

6471/6881
FIGURE 5973

GCTGGAGCCGGGCCGGGGCGATGTGGAGCGCGGGCCGCGGCGGGGGCTGCCTGGCCGGTGCTGTTGGGGCTGCTGC
TGGCGCTGTTAGTGCCGGGCGGTGGTGCCGCCAAGACCGGTGCGGAGCTCGTGACCTGCGGGTCGGTGCTGAAGC
TGCTCAATACGCACCACCGCGTGCGGCTGCACTCGCACGACATCAAATACGGATCCGGCAGCGGCCAGCAATCGG
TGACCGGCGTAGAGGCGTCGGACGACGCGAATAGCTACTGGCGGATCCGCGGCGGCTCGGAGGGCGGGTGCCCGT
GCGGGTCCCCGGTGCGCTGCGGGCAGGCGGTGAGGCTCACGCATGTGCTTACGGGCAAGAACCTGCACACGCACC
ACTTCCCGTCGCCGCTGTCCAACAACCAGGAGGTGAGTGCCTTTGGGGAAGACGGCGAGGGCGACGACCTGGACC
TATGGACAGTGCGCTGCTCTGGACAGCACTGGGAGCGTGAGGCTGCTGTGCGCTTACAGCATGTGGGCACCTCTG
TGTTCTGTTCAGTCACGGGTGAGCAGTATGGAAGCCCCATCCGTGGGCAGCATGAGGTCCACGGCATGCCCAGTG
CCAACACGCACAATACGTGGAAGGCCATGGAAGGCATCTTCATCAAGCCTAGTGTGGAGCCCTCTGCAGGTCACG
ATGAACTCTGAAGTGTGTGGATGGATGGGTGGATGGAGGGTGGCAGGTGGGGCGTCTGCAGGGCCACTCTTGGCAG
AGACTTTGGGTTTGTAGGGGTCTCAAGTGCCTTTGTGATTAAAGAATGTTGGTCTATGA

6472/6881
FIGURE 5974

MWSAGRGGAAPVLLGLLLALLVPGGGAAKTGAELVTCGSVLKLLNTHHRVRLHSHDIKYSGSGGQQSVTGVEAS
DDANSYWRIRGGSEGGCPCGSPVRCGQAVRLTHVLTGKNLHTHHFSPLSNNQEVSAFGEDGEGDDLDLWTVRCS
GQHWEREAAVRLQHVGTSVFLSVTGEQYGSPIRGQHEVHGMP SANTHNTWKAMEGIFIKPSVEPSAGHDEL

6473/6881
FIGURE 5975

GCTTCAGGGTACAGCTCCCCGCAGCCAGAAGCCGGGCTGCAGCGCCTCAGCACCGCTCCGGGACACCCACCC
GCTTCCCAGGCGTGACCTGTCAACAGCAACTTCGCGGTGTGGTGAACCTCTCTGAGGAAAAACCATTTTGATTATT
ACTCTCAGACGTGCGTGGCAACAAGTGAAGTGAAGACCTAGAAATCCAAGCGTTGGAGGTCTTGAGGCCAGCCTAAG
TCGCTTCAAAATGGAACGAAGGCGTTTGTGGGGTTCCATTAGAGCCGATACATCAGCATGAGTGTGTGGACAAG
CCCACGGAGACTTGTGGAGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAGTT
GCTGCCCAGGGAGCTCTTCCCGCCACTCTTCATGGCAGCCTTTGACGGGAGACACAGCCAGACCCTGAAGGCAAT
GGTGCAGGCCTGGCCCTTACCTGCCTCCCTCTGGGAGTGTGATGAAGGGACAACATCTTCACCTGGAGACCTT
CAAAGCTGTGCTTGATGGACTTGATGTGCTCCTTGCCAGGAGGTTGCCCCAGGAGGTGGAAACTTCAAGTGCT
GGATTTACGGAAGAACTCTCATCAGGACTTCTGGACTGTATGGTCTGGAAACAGGGCCAGTCTGTACTCATTTC
AGAGCCAGAAGCAGCTCAGCCCATGACAAAGAAGCGAAAAGTAGATGGTTTGAGCACAGAGGCAGAGCAGCCCTT
CATTCCAGTAGAGGTGCTCGTAGACCTGTTCTCAAGGAAGGTGCCTGTGATGAATTGTTCTCTACCTCATTGA
GAAAGTGAAGCGAAAGAAAAATGTACTACGCCTGTGCTGTAAGAAGCTGAAGATTTTTGCAATGCCCATGCAGGA
TATCAAGATGATCCTGAAAATGGTGCAGCTGGACTCTATTGAAGATTTGGAAGTGACTTGACCTGGAAGCTACC
CACCTTGGCGAAATTTTCTCCTTACCTGGGCCAGATGATTAATCTGCGTAGACTCCTCCTCTCCACATCCATGC
ATCTTCCTACATTTCCCCGGAGAAGGAAGAGCAGTATATCGCCAGTTACCTCTCAGTTCTCAGTCTGCAGTG
CCTGCAGGCTCTCTATGTGGACTCTTTATTTTCTTAGAGGCCGCTGGATCAGTTGCTCAGGCACGTGATGAA
CCCCTTGGAAACCCCTCTCAATAACTGCGCGCTTTGGAAGGGGATGTGATGCATCTGTCCAGAGTCCAG
CGTCAGTCAGCTAAGTGTCTGAGTCTAAGTGGGGTCATGCTGACCGATGTAAGTCCCGAGCCCCCTCCAAGCTCT
GCTGGAGAGAGCCTCTGCCACCCTCCAGGACCTGGTCTTTGATGAGTGTGGGATCACGGATGATCAGCTCCTTGC
CCTCCTGCCTTCCCTGAGCCACTGCTCCCAGCTTACAACCTTAAGCTTCTACGGGAATTCCATCTCCATATCTGC
CTTGCAGAGTCTCCTGCAGCACCTCATCGGGCTGAGCAATCTGACCCACGTGCTGTATCCTGTCCCCCTGGAGAG
TTATGAGGACATCCATGGTACCCTCCACCTGGAGAGGCTTGCTATCTGCATGCCAGGCTCAGGGAGTTGCTGTG
TGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGTGCCAACCCCTGTCTCACTGTGGGGACAGAACCTTCTATGA
CCCGGAGCCCATCCTGTGCCCCGTGTTTCATGCCTAACTAGCTGGGTGCACATATCAAATGCTTCATTCTGCATAC
TTGGACACTAAAGCCAGGATGTGCATGCATCTTGAAGCAACAAAGCAGCCACAGTTTCAGACAAATGTTTCAGTGT
GAGTGAGGAAAACATGTTTCAGTGAGGAAAAAACATTAGACAAATGTTTCAGTGAGGAAAAAAGGGGAAGTTGGG
GATAGGCAGATGTTGACTTGAGGAGTTAATGTGATCTTTGGGGAGATACATCTTATAGAGTTAGAAATAGAATCT
GAATTTCTAAAGGGAGATTCTGGCTTGGGAAGTACATGTAGGAGTTAATCCCTGTGTAGACTGTTGTAAAGAAAC
TGTTGAAAATAAAGAGAAGCAATGTGAAGCAAAAAAAAAAAAAAAAAAAAA

6474/6881
FIGURE 5976

MERRRLWGSIQSRYISMSVWTSPPRLVELAGQSLLKDEALAIAALELLPRELFPPLFMAAFDGRHSQTLKAMVQA
WPFTCLPLGVLMKGQHLHLETFAVLDGLDVLLAQEVPRRWKLQVLDLRKNSHQDFWTVWSGNRASLYSFPEPE
AAQPMTKKRKVDGLSTAEQPFIPVEVLVDLFLKEGACDELFSLIEKVKRKKNVLRLCCKKLKIFAMPMQDIKM
ILKMVQLDSIEDLEVTCTWKLP TLAKFSPYLGQMINLRRLLSHIHASSYISPEKEEQYIAQFTSQFLSLQCLQA
LYVDSLFFLRGRLDQLLRHVMNPLETSLITNCRLSEGDVMHLSQSPSVSQLSVLSLSGVMLTDVSPEPLQALLER
ASATLQDLVFDECGITDDQLLALLPSLSHCSQLTTLSFYGNSSISISALQSLLOHLIGLSNLTHVLYPVPLESYED
IHGTLHLERLAYLHARLRELLCELGRPSMVWLSANPCPHCGDRTFYDPEPILCPCFMPN

6475/6881
FIGURE 5977

AACGCCAGCGCCTGCGCACTGAGGGCGGCCTGGTCGTCGTCTGCGGCGGCGGCGGGCTGAGGAGCCCGGCTGA
GGCGCCAGTACCCGGCCCCGGTCCGCATTTTCGCCTTCCGGCTTCGGTTTCCCTCGGCCAGCACGCCCGGCCCGG
CCCCAGCCCTCCTGATCCCTCGCAGCCCGGCTCCGGCCGCCCGCCTCTGCCGCCGCAATGATGATGATGGCGCTG
AGCAAGACCTTCGGGCAGAAGCCCGTGAAGTTCCAGCTGGAGGACGACGGCGAGTTCTACATGATCGGCTCCGAG
GTGGGAACTACCTCCGTATGTTCCGAGGTTCTCTGTACAAGAGATACCCCCTCACTCTGGAGGCGACTAGCCACT
GTGGAAGAGAGGAAGAAAATAGTTGCATCGTCACATGATCACGGATAACAGACTCTAGCCACCAGTGTGACCCTG
TTAAAAGCCTCGGAAGTGGAAGAGATTCTGGATGGCAACGATGAGAAGTACAAGGCTGTGTCCATCAGCACAGAG
CCCCCACCTACCTCAGGGAACAGAAGGCCAAGAGGAACAGCCAGTGGGTACCCACCCTGCCCAACAGCTCCAC
CACTTAGATGCCGTGCCATGCTCCACAACCATCAACAGGAACCGCATGGGCCGAGACAAGAAGAGAACCTTCCCC
CTTTGGTGTGGATGCATCGCTGCACTCACCTCCGTGCTGATTCCGCCTTAGTTCTCCACTTTGATGACCATGAC
CCAGCTGTGATCCATGAGAACGCATCTCAGCCCCAGGTGCTGGTCCCCATCCGGCTGGACATGGAGATCGATGGG
CAGAAGCTGCGAGACGCCTTACCTGGAACATGAATGAGAAGTTGATGACGCCTGAGATGTTTTAGAAATCCTC
TGTGACGATCTGGATTTGAACCCGCTGACGTTTGTGCCAGCCATCGCCTCTGCCATCAGACAGCAGATCGAGTCC
TACCCACGGACAGCATCCTGGAGGACCAGTCAGACCAGCGGTCATCATCAAGCTGAACATCCATGTGGGAAAC
ATTTCCCTGGTGGACCAAGTTTGAAGTGGGACATGTCAGAGAAGGAGAACTCACCAGAGAAGTTTGCCCTGAAGCTG
TGCTCGGAGCTGGGGTTGGGCGGGGAGTTTGTACCAACCATCGCATAACAGCATCCGGGGACAGCTGAGCTGGCAT
CAGAAGACCTACGCCTTCAGCGAGAACCCTCTGCCCACAGTGGAGATTGCCATCCGGAACACGGGCGATGCGGAC
CAGTGGTGGCCACTGCTGGAGACTCTGACAGACGCTGAGATGGAGAAGAAGATCCGCGACCAGGACAGGAACACG
AGGCGGATGAGGCGTCTTGCCAACACGGCCCCGGCCTGGTAAACAGCCCATCAGCACACGGCTCCCACGGAGCAT
CTCAGAAGATTGGGCCGCTCTCCTCCATCTTCTGGCAAGGACAGAGGCGAGGGGACAGCCCAGCGCCATCCTGA
GGATCGGGTGGGGGTGGAGTGGGGGCTTCCAGGTGGCCCTTCCCGGCACACATTCCATTTGTTGAGCCCCAGTCC
TGCCCCCACCCACCCCTCCCTACCCCTCCCCAGTCTCTGGGGTCAGGAAGAAACCTTATTTTAGGTTGTGTTTT
GTTTTGTATAGGAGCCCCAGGCAGGGCTAGTAACAGTTTTTAAATAAAAGGCAACAGGTCATGTTCAATTTCTT
C

6476/6881

FIGURE 5978

MMMALSKTFGQKPVKFQLEDDGEFYMIGSEVGNYLRFGRSLYKRYPSLWRRLATVEERKKIVASSHDHGYYTTL
ATSVTLKASEVEEILDGNDEKYKAVSISTEPPTYLREQAKRNSQWVPTLPNSSHHLDVPCSTTINRNRMG
KKRTFPLWCGCIAALTTLRADSAVLHFDHDPVAVIHENASQPEVLVPIRLDMEIDGQKLDAFTWNMNEKLMTP
MFSEILCDDLNLNPLTFVPAIASAIRQQIESYPTDSILEDQSDQRVIIKLNHVGNISLVDQFEWDMSEKENS
PEKFALKLCSELGLGGEFVTTIAYSIRGQLSWHQKTYAFSENPLPTVEIAIRNTGDADQWCPLLETLTDAEM
EKKIRDQDRNTRRMRLANTAPAW

6477/6881
FIGURE 5979

ACCACAGTGGTGTCCGAGAAGTCAGGCACGTAGCTCAGCGGCGGCCGCGGCGCGTGCCTCTGCGCGG
GTCTCCTGGTCCTTCTGCCATCATGCCGATGTTTCATCGTAAACACCAACGTGCCCCGCGCCTCCGTGCCGGACGG
GTTCTCTCCGAGCTCAGCCAGCAGCTGGCGCAGGCCACCGGCAAGCCCCCAGTACATCGCGGTGCACGTGGT
CCCGGACCAGCTCATGGCCTTCGGCGGCTCCAGCGAGCCGTGCGCGCTCTGCAGCCTGCACAGCATCGGCAAGAT
CGGCGGCGCGCAGAACCGCTCCTACAGCAAGCTGCTGTGCGGCCTGCTGGCCGAGCGCCTGCGCATCAGCCCGGA
CAGGGTCTACATCAACTATTACGACATGAACGCGGCCAATGTGGGCTGGAACAACCTCCACCTTCGCCTAAGAGCC
GCAGGGACCCACGCTGTCTGCGCTGGCTCCACCCGGGAACCCGCCGACGCTGTGTTCTAGGCCCCGCCACCCCA
ACCTTCTGGTGGGGAGAAATAAACGGTTTAGAGACT

6478/6881
FIGURE 5980

MPMFIVNTNVPRASVPDGFELSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSIGKIGGAQNRS
YSKLLCGLLAERLRISPDRVYINYDMNAANVGWNNSTFA

6479/6881
FIGURE 5981A

TTGGGCGAGAGGGTGGGGCCACTCAACGCTGAGGCGGCGAATGGCCGGAGCAGACTTAAATCAAGAGGCTGGGGA
CCTCTAAGATCAAAGTTTGGGGCGGGGCGCTAAGGAGGGGGCGGGGCTCCAGATTGAGACCTGGAAGGGCTGGG
GCGGCGCTTGGGGCGGGCCAGCCGCGCCTCCCGTTCTCTCCTCCGAGCGGGCGGGTGGCGGAGAAGGAACTC
GACACGCACCGACCGCCCTCCCGCCCCAGCCGAAGCGGAAGCTGTAGCCCGCTCTGGGCGGGGGCCATGGGCGCC
CCGCGCCGCGGGTTCATGAGGACGGAGGCGGAGGCAGCGGGGCGCGCTCGAGCCCGGGGACTTTGTGCAACT
GCCTGTGCGCGTCATCCAGCAGCTCTACCACTGGGACTGTGGCCTGGCCTGCTCCAGGATGGTGTGCTGCAGGTACC
TGGGCCAGCTGGACGACAGTGAGTTTGAGAGAGCCCTGCAGAAGCTGCAGCTGACCAGGAGCATCTGGACCATCG
ACCTGGCCTACCTGATGCACCACTTTGGCGTGAGGCACCGCTTCTGTACCCAGACCCTGGGTGTGACAAGGGCT
ACAAGAACCAGTCTTCTACAGGAAGCACTTTGACACAGAAGAGACCCGGGTGAATCAGCTGTTTGACAAGCAA
AGGCCTGCAAGGTGCTGGTGGAGAAATGCACAGTGAGTGTGAAGGACATCCAGGCGCACCTGGCTCAGGGCCATG
TGGCCATCGTGCTGGTGAATCGGGGGTGCTGCACTGTGACCTGTGCTCCAGCCCTGTCAAGTACTGCTGCTTCA
CCCCAGTGGCCACCACTGCTTCTGCCGACTCCTGACTACCAGGGCCACTTCATCGTGCTGCGTGGCTACAACC
GGGCCACTGGCTGCATCTTCTACAACAACCCAGCCTATGCCGACCCAGGAATGTGCAGCACCAGCATCAGTAACT
TTGAGGAGGCCAGAACCAGCTATGGCACAGATGAGGACATCCTCTTTGTCTACTTTGGACAGCTGACAGCAGGAGC
CTGGTGCGCCTAGGCCCTCGGACCCCATCCCCACCCAGCCGGGGCCGCTCAGGATGCCCTGGCCCAGGCTTGGG
GCTGCTGGGGTTGGAATGTGGAATGCAGCCTCAGCCCATCTGGCAGAGTCCAGGAACCTCGGAGACTGGCACAG
CTGCTTTGTCTGCCAGTGCCGTGTGTTGTCTATGTCACCTCAGGACCTGCTGGCTGCTGGAAGCATAACCC
AAGACCCCAAGCCTTGACTCCAGCTGCGCCACAGGAAGTCCAGTCCCGACAGTGCCCTTGTGCTTTGAGCCA
GATCCATGGCAATGGTCTCCCCACAGACCCGAGGACTGAGCCTGGAGAGAGAAGTTGCTTGACGGATGCCACTTG
TCAGGACAGTATGTGAGTGTCTGGAGACAGCATAGCTGACCCCAATCCCCAGGGCTGAGGACCCCTCCAGGCCC
CTCTCTCCTGGAAGTGCTGCATATGCCCTGTGCCAGTGGTTGATGATACCACCACCACCTGCCTACCCATGGG
CCCAAGTTTCTGTGGCTCATTACAGGGCATCTGACCCCTGCCACCCAGCATAGACACACCTCACAGCTGCCCTGC
CATGCAGAGCCCTGGCCGCTGGAGACTCTTAAAGCCCCACAGCCCTCCAGGTCTCCAGCTCTGTCTAGATGGAG
GGCTCTCGGGCCTAGATCCCACTGGTAGGCCCTCGTGCTGGCAGCAGTGCTCTGGGAATAAACAGCTGCCCTAGC
CCCAGAGGGATCCCTGCACCCAGGAGGCCCTCCTGACACCAGCCAAATCCTGACAGCAGGGTCTGCCCTCTTGAG
TGTGGGGAGCCCTAGTCCTTTAAAGTTGGCTGCTAAGGCCTGTGCTCCAAAGCAACGGGCTGGGGCAGCCTGCA
GCTGCCACCCAACTGGTCTTACACACAGATTGCACAGGATACTGGGTCTTGTCTATCTTGATGGAGAAGAGGG
GTTCTGCCCAGGATCTTACAACACAGCAAGTAGCATAGAGCTCTTCTCTCTCTTTTGGGGAGGTTGGGGT
CAGGGGTTGTTTCTTTGAGATTTAAGTTTTCACTTTTGAAGGGTAATCACCTTCAAGTAAACAGTAATAGCAAG
AGTGAAGGTACTTTGGAACCACTAACACCTCTGCACAGGGCAGTTAGCCAGCTCAAGTTCTTTTTTTCAGAGAAAGG
GACTTGGCCAGTGGTTTAAAGTACCTGCCCCCTCACCTCTCAGACGAGGCAGCTGACGAGGCAGCTGGCCCCAGTCT
TGGGAGTCTGCTCAGGACAGTGGTGGAGCTGGGTCTTGAACCCAGTCTGCACCTAAAAAATAAGGAAATGGA
TTTTTTTTTTTTTTTTTGGAGACGGAGACTCACTCTGTTGCCAGACTGGAGTGCAGTGGCACGATCTTGGCTTAC
TACAACCTCCGCTCCTGGGTTCAAGCGATCCTCCTGCCTCAGCCCCCACTAGCTGGGACTACAGGCACATGCC
ACCATGCCCGGCTAATTTTTTTGTATTTTTAGTAGAGACCAGGCTTCGCCATGTTGGCCAGGCTGGTCTCGAACC
CCTGAGCTCAGGTGATCCACCTGCCTCGGCCTCCCAAAGTGGGAAATGGGTCATTTTTCAAAGGGGCAACAGTGAT
ACCATCCCTGCACTCCTGGGTCTGCTCTTCCAATGCCCAAGGCATGGCATGGTGGCAGCTGTGCCCCCGCCAT
TGCTTTGGAGCACAGATGACTCTGGGGGAGAGGTGGGCTCTGTTTAGGAGGGCAGTGAGACCACCCAGCCAAAT
TGCTTCTCAACCCTAGACAAAGCCTTTGGCCAAGAGGGAGGTGCTGTTAGTTGGGCAGCCCTTCTGGGTTTCA
GACCGGTGTTGGCTCTAGACTGGTCTCATCTCCATTGCCCTTAATGCCAGGTGGCCAGGAGTACCCATGCACAGC
AGCTGTGGGGTGTGGGCATCTTACAGGTGGTGTCTGGTAAAATTGTTAGAATAGCTGTATGAAGGAAACAGTGG
GAGGAAATGAAGTTTTTCAAGATGGTGGGATGTGATTTAGACAGTGCACATGCTGTTAGGGCTGTCACTAGGGAGT
GGCCTTCATGGAGGGTGGTAACAGCACCTCAGTCCAGCCAAATGTTTAGAAACACTCAGTCTCTGGTCCCAGAG
GATGGCTTCTCAGGGCATGCCACAAGTTAAAGGTCACCTTCTGAAAGATGAATGAGAAAGCTGCCATTCTCAA
GACTCATCTGCCTAGGGAGGGTACAGAGGCAGGATGTAAGACACACTGTGTTGCATTCTTGACAAGTCATGAA
AATGGAGCCAGAGAGCCTGGACATCAGGGACTTTTGGCCACAGCACATGACACCGACAGCTGCCAGCCTGTTCA
CATGCTGGGGACCAGCACAGCACCTGAAGCCATGTGGGACAGTTGGGCTTTGTTCACTTAGCCACGGGGATGAA
AGGGATCTTTTGCATTGCAGAGATTTTATATATATTTTGTGTTGTAATGAGCCATTCTCAATAAACATTATTCTCA

6480/6881
FIGURE 5981B

CTGC

6481/6881
FIGURE 5982

MHHFGVRHRECTQTLGVDKGYKNQSFYRKHFDTEETRVNQLFAQAKACKVLVEKCTVSVKDIQAHLAQGHVAIVL
VNSGVLHCDLCSSPVKYCCFTPSGHHCF CRTPDYQGHFIVLRGYNRATGCIFYNNPAYADPGMCSTSISNFEEAR
TSYGTDEDILFVYLD S

6482/6881
FIGURE 5983

TCTTGACTCACGCCTTCGCCGTAGCATCTTTTCGCAGCGGACCGAAGAGAAGAAAAGTAGGCCAGAGCCGAACCTCT
CTTCCTGCCAAGATGTCTATTGGTGTGCCGATTAAAGTACTGCATGAGGCCGAGGGCCACATTGTGACATGTGAG
ACGAACACCGGTGAGGTATATCGGGGGAAGCTCATTGAAGCAGAGGACAACATGAACTGCCAGATGTCCAACATC
ACAGTCACATACAGAGATGGCCGAGTGGCACAGCTGGAGCAGGTATACATCCGTGGCAGCAAAATCCGCTTTCTG
ATTTTGCCTGACATGCTGAAGAACGCACCCATGTTAAAGAGCATGAAAAATAAAAACCAAGGCTCAGGGGCTGGC
CGAGGAAAAGCTGCCATTCTCAAGGCCCAAGTGGCCGCAAGAGGAAGAGGACGTGGAATGGGACGTGGAAACATC
TTTCAAAGCGAAGATTAATTTTCTAAGTTGAACAGAACTTTGTCCTTTTTTCTTTCAGGTTATCTGAGTTCATTG
GAGTGGGTGCTTGTGCATATATCTAGGTATCTTTTGCCATCTTTCTCTTTAGATCAGGGGAAATGTTTAAGCTAA
ATAAATCTGGGGGGTTTTTTGTTCTG

6483/6881
FIGURE 5984

MSIGVPIKVLHEAEGHIVTCETNTGEVYRGKLI EAEDNMNCQMSNITV TYRDGRVAQLEQVYIRGSKIRFLILPD
MLKNAPMLKSMKNKNQSGAGRGKAA ILKAQVAARGRGRGMGRGNIFQKRR

6484/6881
FIGURE 5985

CATTGCAGTACACTGAGCTCCACAGAGACAGCGCCGGGGCAAGTGAGAGCCGGACGGGCACTGGGCGACTGTGCC
TCGCTGAGGAAAAATAACTAAACATGAGCAAAGGAGATCCTAAGAAAGCTGAGAGGCAAAATGTCATCACATGCAT
TTTTTGGGCAAAC TTGTCGGGAGGCGCATAAGAAGAAGCACCCAGATGCTTCAGTCAACCTCTCAGAGTTTTCTA
AGAAAGTGCCCAT TACGAAAGAGAAATGAAAACCTATATCCCTCCCAAAGGGGAGACAAAAAGAAGTTCAAGGAT
CCGAATGCACCCAAGAGGACTCCTTCGGCCTTCTTCCTGTTCTGCTCTGCGTATCGCCCAAAATCAAAGGAGAA
CATCCTGGCCTGTCCATTGGTGATGTTGCGAAGAACTGGGAGAGATGTGGAATAACACTGCCGCAGATGACAAG
CAGCCTTATGAAAAGAAGGCTGCGAAGCTGAAGGAAAAATACGAAAAGGATATTGCTGCATATCGAGCTAAAGGA
AAGCCTGATGCAGCAAAAAGGGAGTTGTCAAGGCTGAAAAAGCAAGAAAAAGAAGGAAGAGGAGGAAGATGAG
GAAGATGAAGAGGATGAGGAGGAGGAAGATGAAGAAGATGAAGATGAAGAAGATGATGAATAAGTTGGTTCTAGC
GCAGTTTTTTTTTCTTGCTCTATAAAGCATTTAACCCCCCTGTACACAAC TACTCCTTTTAAAGAAAAAAATTG
AAATGTAAGGCTGTGTAAGATTTGTTTTTAACTGTACAGTGCTTTTTTTGTATAGTTAACACACTACCGAATG
TGTCTTTAGATAGCCCTGTCCTGATGGTATTTTCAATAGCCGCTAACCTTGCCTGGTACAGTATGGGGGCTGTAA
ATTGGCATGGAAATTTAAAGCGGGTTCTTGTTGGTGACAGCACAAATTAGTTATATATGGGGATGATAGTTTTT
TCATCTTCAGTTGCTCTGATGCAGCTTATACGAAATAATTATCTGT TAACTGAATACCACTCTGTAATTGCAA
AAAGAAAAAGTTGCAGCTGTTTTGTTGACATTCTGAATGCTTCTAAGTAAATACAATTTTTTTATTAG

6485/6881

FIGURE 5986

ATGGGTGCATACAAGTACATCCTGGAGCTATGGAGAAAGAAGCAGTCTGATGTCATGCGCTTTCTTCTGAGGGTC
CGCTGCTGGCAGTACCGCCAGCTATCTGCTCTCCACAGGGCTCCCCGCCCCACCCGGCCTGATAAAGTGCACCGA
CTGGGCTACAAACAAGGCCAAGCAAGTGACAGTGAGTCGTGTGGACCTGGTAAAATCACCAACTTCTCTGATTCT
CCTTATCTTGAAAACAGGGATGATAATGCTCCCCCTACCCACAGATGCTGTGACGTTCCAAGCAGACATCTAA

6486/6881
FIGURE 5987

GGCGCTGGGCGGCTGCGGCGCGGGTGC GCGGTGCGTAGTCTGGAGCTATGGTGGTGGTGGCAGCCGCGCCGAAC
CCGGCCGACGGGACCCCTAAAGTTCTGCTTCTGTGCGGGCAGCCCCGCTCCGCGCGCGGAGCCCCGGCCGGCCAG
GCCCTGCCGCTCATGGTGCCAGCCCAGAGAGGGGCCAGCCCCGAGGCAGCGAGCGGGGGGCTGCCCCAGGCGCGC
AAGCGACAGCGCCTCACGCACCTGAGCCCCGAGGAGAAGGCGCTGAGGAGGAACTGAAAAACAGAGTAGCAGCT
CAGACTGCCAGAGATCGAAAGAAGGCTCGAATGAGTGAGCTGGAACAGCAAGTGGTAGATTTAGAAGAAGAGAAC
CAAAAACTTTTGCTAGAAAATCAGCTTTTACGAGAGAAAACTCATGGCCTTGTAGTTGAGAACCAGGAGTTAAGA
CAGCGCTTGGGGATGGATGCCCTGGTTGCTGAAGAGGAGGCGGAAGCCAAGGGGAATGAAGTGAGGCCAGTGGCC
GGGTCTGCTGAGTCCGCAGCACTCAGACTACGTGCACCTCTGCAGCAGGTGCAGGCCCAGTTGTACCCCTCCAG
AACATCTCCCCATGGATTCTGGCGGTATTGACTCTTCAGATTGAGAGTCTGATATCCTGTTGGGCATTCTGGACA
ACTTGAGCCAGTCATGTTCTTCAAATGCCCTTCCCCAGAGCCTGCCAGCCTGGAGGAGCTCCCAGAGGTCTACC
CAGAAGGACCCAGTTCCTTACCAGCCTCCCTTTCTCTGTGTCAGTGGGGACGTCATCAGCCAAGCTGGAAGCCATTA
ATGAACTAATTCGTTTTGACCACATATATACCAAGCCCCCTAGTCTTAGAGATACCCTCTGAGACAGAGAGCCAAG
CTAATGTGGTAGTGAAAATCGAGGAAGCACCTCTCAGCCCCCTCAGAGAATGATCACCTGAATTCATTGTCTCAG
TGAAGGAAGAACCTGTAGAAGATGACCTCGTTCCGGAGCTGGGTATCTCAAATCTGCTTTCATCCAGCCACTGCC
CAAAGCCATCTTCCTGCCTACTGGATGCTTACAGTGACTGTGGATACGGGGGTTCCTTTTCCCCATTGAGTGACA
TGTCTCTCTGCTTGGTGTAACCATTTCTGGGAGGACACTTTTGCCAATGAACTCTTTCCCCAGCTGATTAGTG
TCTAAGGAATGATCCAATACTGTTGCCCTTTTCTTACTATTACACTGCCTGGAGGATAGCAGAGAAGCCTGTC
TGTAATTCATTCAAAAAGCCAAAATAGAGAGTATACAGTCTAGAGAATTCCTCTATTTGTTTCAGATCTCATAGA
TGACCCCCAGGTATTGTCTTTTGACATCCAGCAGTCCAAGGTATTGAGACATATTACTGGAAGTAAGAAATATTA
CTATAATTGAGAACTACAGCTTTTAAGATTGTACTTTTATCTTAAAAGGGTGGTAGTTTTCCCTAAAATACTTAT
TATGTAAGGGTCATTAGACAAATGTCTTGAAGTAGACATGGAATTTATGAATGGTTCCTTTATCATTTCTCTTCCC
CCTTTTTGGCATCCTGGCTTGCTCCAGTTTTAGGTCTTTAGTTTGCTTCTGTAAGCAACGGGAACACCTGCTG
AGGGGGCTCTTTCCCTCATGTATACTTCAAGTAAGATCAAGAATCTTTTGTGAAATTATAGAAATTTACTATGTA
AATGCTTGATGGAATTTTTTCTGCTAGTGTAGCTTCTGAAAGGTGCTTTCTCCATTTATTTAAACTACCCATG
CAATTAAGGTACAATGCAAAAAAAAAAAAAAAAAA

6487/6881
FIGURE 5988

MVVVAAAPNPADGTPKVLLLSGQPASAAGAPAGQALPLMVPAQRGASPEAASGGLPQARKRQRLTHLSPEEKALR
RKLKNRVAAQTARDRKKARMSELEQQVVDLEENQKLLLENQLLREKTHGLVVENQELRQRLGMDALVAEEEEAEA
KGNEVRPVAGSAESAALRLRAPLQQVQAQLSPLQNI SPWILAVLTLQIQSLISCWAFWTTWTQSCSSNALPQSLP
AWRSSQRSTQKDPVPYQPPFLCQWGRHQPSWKPLMN

6488/6881
FIGURE 5989

AGAGGGAGACGGACGTTGAGAGAACGAGGAGGAAGGAGAGAAAATGSCGTCCACGGATTACAGTACCTATAGCCA
AGCTGCAGCGCAGCAGGGCTACAGTGCTTACACCGCCAGCCCACTCAAGGATATGCACAGACCACCCAGGCATA
TGGGCAACAAAGCTATGGAACCTATGGACAGCCCACTGATGTCAGCTATACCCAGGCTCAGACCACTGCAACCTA
TGGGCAGACCGCCTATGCAACTTCTTATGGACAGCCTCCCACTGGTTATACTACTCCAAGTCCCCCAGGCATA
CAGCCAGCCTGTCCAGGGGTATGGCACTGGTGCTTATGATACCACCACTGCTACAGTCACCACCACCCAGGCCTC
CTATGCAGCTCAGTCTGCATATGGCACTCAGCCTGCTTATCCAGCCTATGGGCAGCAGCCAGCAGCCACTGCACC
TACAAGACCGCAGGATGGAACAAGCCCACTGAGACTAGTCAACCTCAATCTAGCACAGGGGGTTACAACAGCC
CAGCCTAGGATATGGACAGAGTAACTACAGTTATCCCCAGGTACCTGGGAGCTACCCCATGCAGCCAGTCACTGC
ACCTCCATCCTACCCTCCTACCAGCTATTCTCTACACAGCCGACTAGTTATGATCAGAGCAGTTACTCTCAGCA
GAACACCTATGGGCAACCGAGCAGCTATGGACAGCAGAGTAGCTATGGTCAACAAAGCAGCTATGGGCAGCAGCC
TCCCACTAGTTACCCACCCCAAAGTGGATCCTACAGCCAAGCTCCAAGTCAATATAGCCAACAGAGCAGCAGCTA
CGGGCAGCAGAGTTTATTCCGACAGGACCACCCAGTAGCATGGGTGTTTATGGGCAGGAGTCTGGAGGATTTTC
CGGACCAGGAGAGAACCAGGAGCATGAGTGGCCCTGATAACCGGGGCAGGGGAAGAGGGGGATTGATCGTGAGG
CATGAGCAGAGGTGGGCGGGGAGGAGGACGCGGTGGAATGGGCAGCGCTGGAGAGCGAGGTGGCTTCAATAAGCC
TGGTGGACCCATGGATGAAGGACCAGATCTTGATCTAGGCCCTCCTGTAGATCCAGATGAAGACTCTGACAACAG
TGCAATTTATGTACAAGGATTAAATGACAGTGTGACTCTAGATGATCTGGCAGACTTCTTTAAGCAGTGTGGGGT
TGTTAAGATGAACAAGAGAAGTGGGCAACCCATGATCCACATCTACCTGGACAAGGAAACAGGAAAGCCCAAAGG
CGATGCCACAGTGTCTATGAAGACCCACCCACTGCCAAGGCTGCCGTGGAATGGTTTGATGGGAAAGATTTTCA
AGGGAGCAAAGTTAAAGTCTCCCTTGCTCGGAAGAAGCCTCCAATGAACAGTATGCGGGGTGGTCTGCCACCCCG
TGAGGGCAGAGGCATGCCACCACCACTCCGTGGAGGTCCAGGAGGCCAGGAGGTCTGGGGGACCCATGGGTCCG
CATGGGAGGCCGTGGAGGAGATAGAGGAGGCTTCCCTCCAAGAGGACCCCGGGGTTCCTGAGGGAACCCCTCTGG
AGGAGGAAACGTCCAGCACCAGCTGGAGACTGGCAGTGTCCCAATCCGGGTGTGGAAACAGAACTTCGCCTG
GAGAACAGAGTGCAACCAAGTGTAAGGCCCCAAAGCCTGAAGGCTTCCCTCCCGCCACCCCTTTCCGCCCCCGGGTGG
TGATCGTGGCAGAGGTGGCCCTGGTGGCATGCGGGGAGGAAGAGGTGGCTCATGGATCGTGGTGGTCCCGGTGG
AATGTTTCAAGAGGTGGCCGTGGTGGAGACAGAGGTGGCTTCCGTGGTGGCCGGGGCATGGACCGAGGTGGCTTTGG
TGGAGGAAGACGAGGTGGCCCTGGGGGGCCCCCTGGACCTTTGATGGAACAGATGGGAGGAAGAAGAGGAGGACG
TGGAGGACCTGGAAAAATGGATAAAGGCGAGCACCGTCAGGAGCGCAGAGATCGGCCCTACTAGATGCAGAGACC
CCGAGAGCTGCATTGACTACCAGATTTATTTTTTAAACCAGAAAATGTTTTAAATTTATAATTCATATTTATA
ATGTTGGCCACAACATTATGATTATTCCTTGCTGTACTTTAGTATTTTTTACCATTTGTGAAGAAACATTAAAA
CAAGTTAAATGGTAGTGTGCGGAGTTTTTTTTTCTTCCTTCTTTAAAAATGGTTGTTTAAGACTTTAACAATGG
GAACCCCTTGTGAGCATGCTCAGTATCATTGTGGAGAACCAAGAGGGCCTCTTAAGTGAACAATGTTTCATGGTT
GTGATGTTTTTTTTTTTTTTTTTAAATAAAATTCCAAATGTTTAATAAAAAAAAAAAAAAAAAAAAAA

6489/6881

FIGURE 5990

MASTDYSTYSQAAAQQGYSAYTAQPTQGYAQTTOAYGQQSYGTYGQPTDVSYTQAQTTATYGQTAYATSYGQPPT
GYTTPTAPQAYSQPVQGYGTGAYDTTATVTTTQASYAAQSAYGTQPAYPAYGQPPAATAPTRPDGNKPTETSQ
PQSSTGGYNQPSLGYGQSNYSYPQVPGSYPMQPVTAAPPSPPTSYSSTQPTSYDQSSYSQQNTYGQPSYGGQSS
YGQQSSYGQQPPTSYPPQTGSYSQAPSQYSQQSSSYGQQSSFRQDHPSSMGVYGQESGGFSGPGENRSMSGPDNR
GRGRGGFDRGMSRGGRRGGRRGGMGSAGERGGFNKPGGPMDEGPDLDLGPPVDPDESDNSAIYVQGLNDSVTLD
DLADFFKQCGVVKMNKRTGQPMIHIYLDKETGKPKGDATVSYEDPPTAKAAVEWFDGKDFQGSKLKVS LARKKPP
MNSMRGGLPPREGRGMPPPLRGGPGGPGGPGGPMGRMGRRGGDRGGFPFRGPRGSRGNPSGGGNVQHRAGDWQCP
NPGCGNQNFARTECNQCKAPKPEGFLPPFPFPFGGDRGRGGPGGMRGGRGGLMDRGGPGGMFRGGRRGGDRGGFR
GGRGMDRGGFGGRRGGPGGPPGFLMEQMGGRRGGRRGGPGKMDKGEHRQERRDRPY

6490/6881
FIGURE 5991

GGACGCATAGAGCTGCGGGCTCGGGCGGGCGCCTCCCTGCGGGCGGCCCCGGCTCCGGCCCCGCTGGGGCAAT
GCTCCCCGGGGCCGCGGGATGAGCCAGCGATCCTGAACTGTGTTCTGCCACAGTGACTCGGCCGGTCCGGGCA
TGGCAGACCCAGTGGCGGGCATCGCGGGTTCGGCGGGCAAGAGCGTGCGGCCATTTGCTCCAGTGAGGCCTACG
TGGAGGCCATGAAGGAGGACCTGGCCGAGTGGCTCAATGCCTTGACGGCCTGGGTCTCCGGGTGGTGGCGATG
GCTTCTGACAGGGCTGGCCACGGGCACGACCCTGTGCCAACATGCCAACGCCGTGACCGAGGCTGCCCCGTGCAT
TGGCAGCCGCCCCGCCCCGGCCGAGGTGTGGCCTTCCAGGCGCACAGTGTAGTGCCTGGCTCCTTCATGGCGCGCG
ACAAQGTGGCCACCTTCATCGGCTGGTGCCGCTGGAGCTGGGTGTGCCGGAGGTGCTCATGTTTGAGACTGAGG
ACCTGGTGTGTGCGCAAGAACGAGAAGAGCGTGGTGTGTGCTGTGCTGGAGGTGGCGCGGCGTGGGGCACGCCTGG
GCCTGCTGGCCCCACGCCTCGTGCAGTTTGAGCAGGAGATTGAGCGGGAGCTGCGTGTGTCACCCCCAGCCCCCA
ACGCCCCGTGCCGTGGGGAGGACACCACTGAAACCGCCCCGACCAGGGACTCCTGCCGCGGGCCCCCGCATGA
CACCCAGCGACCTGCGCAACCTCGACGAGCTGGTGAGGGAGATTCTGGGCGCTGCACCTGCCCTGACCAGTTTC
CCATGATCAAGGTCTCAGAGGGGAAGTACCGTGTGGGGGACTCGAGCCTGCTCATCTTTGTGCGGGTGCTGAGGA
GCCACGTGATGGTGCAGTGGGTGGTGGCTGGGACACGCTGGAGCATTACCTGGACAAGCACGACCCGTGCCGCT
GCTCCTCCACTGCTCATCGCCACCCAGCCGAGGGTCTGCACCTTTTCTCCACAGAGGGTGTGCCCCACCACCA
GTCCCCGCCCTGTAGCCCACTCCCTGGGAGTGAGCGCCGGGGCTCCCGGCTGAGATGACTCCCGTTAGCTTAC
GAAGCACAAAGGAGGGGGCCGAGACCCACCCAGGCCCGGGATCAGCTGCCCCCCATCCCGCTCCCGCCGCT
ACTCCGGGGACAGTGACTCCTCAGCCTCCTCCGCCAGAGCGGCCCTTGGTACCCGAGTGATGACACAGGCA
CTGGCCCCCGAGGGAGCGACCCAGCCGGCGGCTGACCACAGGACCCCGGCCCTCTCCGAGACGGCTCCTGCC
TGCGCAGCCAGTCCCGAGACCGGCTGGATCGCGGCCGGCCCCGGGGGGCCCCAGGAGGCAGGGAGCCAGCTGT
CGGTCCCCAGCCCTGCCCGCGGGCCCGGAGCCAGAGCCGCGAGGAGCAGGCTGTGCTGCTTGTGCGCAGGGATC
GAGACGGGCAGCACTCATGGGTGCCAAGGGGCAGGGGCAGTGGGGGCTCGGGCAGGAGCACCCCCAGACTCCCC
GTGCCCGCAGCCCTGCAGCACCCCCGGCTTTCCCGGTCTCCAGCCCCAGTCCAGAGTTGGGCACCACACCGGCCA
GCATCTTCCGCACACCCTGCAGCTCGACCCGAGCAGGAGCAGCAGCTGTTCCGGCGCCTGGAAGAGGAGTTCC
TGGCCAATGCCCGGGCCCTTGAGGCTGTTGCTAGCGTGACCCCACTGGACCAGCCCTGACCCAGCTCGGGCCC
CCGACCCITCCAGCTCCTGACTCTGCCTATTGTTCCCTCCAGTTCTCTCTCGTCCCTCAGCGTCTTGGGTGGCA
AATGTGGCCAACCTGGGGACTCTGGCCGGACGGCCAATGGGCTGCCTGGGCCCCGAAGCCAAGCCCTTTCCAGCT
CCTCCGATGAAGGCAGCCCTGCCCTGGCATGGGGGGGCACTAGATGCACCTGGGAGCCCCCTGGCTTGCACTG
AACCCTCGAGGACCTGGGCACGGGTGCGATGGACACACAGCCAGACCGTAAACCCTCACGTATCCCCACGCCTC
GGGGCCCCCGCCGCCCTCCGGACCCGAGAGCTGGGGACATGGCATGCCCTGCACTCAGTCACCCCGAGGGCTG
AGCCAGATTCTGGATGTGATGGACCAGCTCAGCTGTCCCCAGACCCCATCCCTTCTCCTTTTCTTTGTGGCCT
TAACCCTTCTGCATCAGGGAGCCCCCTCTGCCTCTTGAGTACCAGACCTCATGGGACCAGACCCCTGGGACCAC
ATGGCACAAATGGGACCTCTGTTGTACATTCCGTTGGGGGATGAGCGTTGCTATTTAATTACTAATATTATTGAA
TGCTTTAGAGGAGGCCGGGCGAGCCCGGTGTTCTGAAGACCTGTGGCCAGCAGAGCCTCTGACAGTAAAGTTTT
GCTCCAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6491/6881
FIGURE 5992

MADPVAGIAGSAAKSVRPFRSSEAYVEAMKEDLAEWLNALYGLGLPGGGDGFLTGLATGTTLCQHANAVTEAARA
LAAARPARGVAFQAHSVVPGSFMARDNVATFIGWCRVELGVPEVLMFETEDLVLRKNEKSVVLCLEVARRGARL
GLLAPRLVQFEQEIERELRAAPPAPNAPAAGEDTTETAPAPGTPARGPRMTPSDLRNLDELVREILGRCTCPDQF
PMIKVSEGKYRVGDSSLLIFVRVLRSHVMVRVGGGWDITLEHYLDKHDFCRCSSSTAHRRPPQPRVCTFSPQRVSPPTT
SPRPASPVPGSERRGSRPEMTPVSLRSTKEGPETPPRPRDQLPPHPRSRRYSGDSASSASSAQSGPLGTRSDDTG
TGPRRERPSRRLTTGTPASPRRPPALRSQSRDRLDRGRPRGAPGGRGAQLSVPSPARRARSQSREEQAVLLVRRD
RDGQHSWVPRGRGSGGSGRSTPQTPRARSAPAARLSRVSSPSPELGTTASIFRTPLQLDPQQEQQLFRRLEEEF
LANARALEAVASVTPTGPAPDAPAPDPPAPDSAYCSSSSSSSSSVLGGKCGQPGD SGRTANGLPGPRSQALSS
SSDEGSPCPGMGGFLDAPGSPLACTEPSRTWARGRMDTQPD RKPSRIPTPRGPRRPSGPAELGTWHALHSVTPRA
EPDSWM

6492/6881
FIGURE 5993A

ACCACTTGAAGAGAGGTTTCTAATACTAGACAGATGGAGAGTGGCTTGGCTGTTTCCCCCTGCATATTGGGGTTG
AAAACCTTAAATGTGTAGTTCCAGTCCTTCTATGCAGAGTCTCTCCTGCCCTCCCTCCTTCCCTGCAGTCTCACCAC
GCCACCACCTCCCTCGGGGGCCTCCGCGCTGAGCTTCCGGCCTCTACGCCTCGCTTCCGGTCCGCCGCCCTTCC
TTACTTCCGGTTCTCTATGGTGC CGGGCAAGCTTTGCTCCGCCTCCGGCAGTGGCTTACTCCCGGTGCCAGGTT
CTTGAGCTGTGAGGAGGAACAACCATGTATCAGAAATCGAGCAAAAAACGGAAGCCCAAAGTGATCCGAAGCGA
TGGAGCCCCAGCTGAAGGAAAGCGGAATCGATCTGACACCGAGCAGGAAGGTAAATACTACAGTGAGGAGGCCGA
GGTGGATCTGCGGGACCCTGGCAGAGACTATGAGTTATACAAGTACACCTGCCAGGAGCTACAGAGGCTGATGGC
TGAGATCCAAGACCTGAAGAGCAGGGGTGGCAAGGATGTGGCAATAGAAATAGAAGAACGGAGGATCCAGAGCTG
TGTGCATTTTCATGACTCTAAAGAAGCTTAACCGATTAGCCACATCAGGTTGAAGAAAGGAAGAGATCAGACCCA
CGAGGCTAAGCAGAAAGTAGATGCCTATCATCTGCAGCTCCAGAACCTGTTGTATGAGGTGATGCACCTACAGAA
GGAGATCACCAAATGTTTGGAGTTTAAAGTCAAAGCATGAAGAAATTGATCTGGTCAGTTTAGAGGAGTTTTATAA
GGAGGCTCCACCAGATATCAGCAAGGCCGAAGTCACCATGGGAGACCCCTCACCAGCAAAACACTGGCACGTCTGGA
CTGGGAGCTGGAGCAGCGGAAAAGGCTGGCAGAGAAGTACCGAGAGTGCCTATCTAACAAGGAGAAGATTCTCAA
GGAGATTGAGGTGAAGAAGGAGTACCTGAGCAGCCTCCAGCCCCGCTCAACAGCATCATGCAGGCTTCCCTTCC
GGTGCAGGAGTACCTGTTTATGCCATTGACACAGGCTCACAAGCAGTATGAGACAGCCAGACACCTGCCGCCTCC
CCTCTATGTCCTCTTTGTTTCAAGGCTGCGTATGGGCAGGCTGTGATAAGACGTTATCTGTGGCAATCGAAGG
CAGTGTGGATGAAGCCAAGGCTCTGTTCAAACCTCCAGAGGACTCCCAAGATGACGAGAGTGAAGTACAGTGCCTGA
GGAGGAGCAGACTACGAAGCGCCGAGACCCACACTGGGGGTTTCAAGTGGACGACAAACGCAAGGAGATGCTGAA
GAGGCACCCACTGTCTGTATGCTCGACCTGAAGTGC AAAGATGACAGTGTGCTTACCTGACTTTCTACTACCT
CATGAACCTCAACATCATGACAGTAAAAGCCAAAGTGACAAGTGCCTATGGAGCTGATCAGCCCCATCAGTGCAGG
TGACTTGTCTCTCTGACTCAGTCTGAGTTGCTTGTATCCTGGGGATCATGGAAAGAAAACCTCCGAATCCAGC
CAATCAGTATCAGTTTGATAAAGTTGGCATCCTGACTTTGAGCGACTATGTACTTGAGCTAGGTACCCCTATTT
GTGGGTGCAGAAGCTGGGTGGCCTCCACTTCCCCAAAGAGCAGCCCCAGCAAAACAGTGATTGCTGACCACTCGCT
GAGCGCCAGCCACATGGAGACCACCATGAAACTTCTGAAGACCAGGGTGCAGTCCCGCCTGGCCCTCCACAAACA
GTTTGCATCCCTAGAACATGGCATTGTGCCAGTTACCAGTGATTGCCAGTACCTCTTCCCTGCCAAGGTTGTCTC
TCGCCTGGTGAAATGGGTGACAGTTGCCCATGAGGATTACATGGAGCTGCACTTCACCAAAGACATTGTGGATGC
GGGACTGGCTGGGGACACCAATCTCTACTACATGGCGCTCATCGAAAGGGGCACAGCCAAACTGCAGGCCGCTGT
GGTGTGAACCTGGCTACTCTCTCCATCCACCTGTTTCCAGCTCTGTTTGAAGTGGAAAGGGGAGAAAACCAA
CAGCAACGATGACAACATTGCGGGCCATGGAGGGCGAAGTCAATGTGTGCTACAAGGAGCTGTGTGGCCCTTGGCC
CAGCCACCAGCTGTTGACCAACCAGCTGCAGCGGCTGTGTGTGCTGCTGGATGTTTACCTGGAGACCGAGAGCCA
TGACGACAGTGTGGAGGGGGCCCAAGGAATTTCCCAGGAGAAGATGTGTCTGCGGCTCTTCAGGGGTCTTAGCAG
GATGAAGCCATTTAAATACAACCATCCTCAGGGATTCTTCAGCCATCGCTGATCTCCCGCGCAGACCGTTGTTTC
CCCCAAGGCCTCACCTGAGCACTGGGCTTCTGCTTTCTGCTCTGGCCACATGTGACTCTTGATATTCTCCAAA
GACACCAGCCAATTAAGGCGTCACCTGACCAGTGGCCTTTGTCTGTGGTTCTTGGCAAGGTGGCTTTGCAGTC
TGGAAGGGCAGGTGGGAGCTGTGACACAGTGTGAAAAAGCATTGTAGAGAGACTTTTTCTCAGCAGCCAATAAA
AGCAGAGTGGAAAAAGATTCCAATTCTGCAGAGAGATGCTCACCTCTTGTCTACGCACACCCTATTTGTGCTTTG
CGGGGTGAGGTCCTCATGATCTTGTATTTATTATCCCAAGTTTCTGCTGTTAAGAGGTGGTAGGAGAAGCCAAAG
GCAGCAGAGCACAAAAGCAAAACTCTTCCCTCCCCACCCGCTCTTCCCATTAGTCTGTGAGGGTTGCCGATGG
ACAAATTGTCTCTGATCGTTGGATGTTATAAATGTCTGACAGTGCAGTGCAAACAGAAGACAAACTCAGTTGATC
CTTGAACAACTCAGGGGTTAGGGGCACCAACACCCCTGCCCTGCACAGTTGAAAAATCCGTGTATAACTTTTGA
CTCCCTAAAAACTTAACTAATAGCCTGCTGTTGACCAGTAGTATGCTATTAGTAGTTACTTACTGCTAACATAGT
CAGTACATATTTTTCAGTATATATTTTGTATCTTATACACTGTATTCTTACAATACAGTAACTAGAGAAAAGAAA
ATGTTATAAGGAAAGTCACAAGGGGGCCTGAGTGCAGTGGCTCACGTCTGTAATCCAGCACTTTGGGAGGCCAA
GGCGGGTGGATCACTTGAGGTGAGGAGTTTGGAGACCAGCCTGGCCGACATGGTGAAACCCTGTCTCTACTAAAAA
CATGGAATTTAGCCAAGCGTGGTGGCGCATGCCTGTAGTCCAGTTACTCAGGAGGCTGAGGCAGAATTACTTGA
ACCCATGAGGCAGAGGTTGCAGTAAGCCAAGATCACGCTCCTGCGCTCCGGCTTGGGCGAGAGTGAGACTCCGTC
TCAAAAATAAATAAATAAGAAAGCCATAAGGAAGAAAATATATATCTACTATTAAGTAGAAGTGATCACCATAA
AGGTCTTCACATACTGTCTCAGGGTTGAATAGTCTAAGGAAGAGGAGGGGTTGGTCTTGGTGTCTCAGGGATGGC

6493/6881
FIGURE 5993B

AGAGGCAGAAAAAGTGGGGGAGGTGGAGGGGGAGGCAGGCACCACTGTTATTTTTATTGAACAAAATCTGTGCAG
GGACTCATGACTGTAATCCTAGTACTTTGGAAAGCTAAGGCGGGAGGATCCCTTGAGGCCAGGAGTTCAGGTCCA
GCCTGGGCAACGTAAGTGTAGAGAGCCCTGTATCTACAAAAAATTTAAAAATCAGCCAGGTGTGGTGGTATGCACCAA
TAGTCCCAGTTACTCAGAAGGCTGAGGTGGGCGGATGACTGGAGTCCAGGAGTTCAGGTAGCAGTGAGCTATTCTC
ATCGTGCCTGTACTGTACTCCAGCCTGGGAAACAATGCGAGTCCCTATCTCTAAAAAATTTTAAAAAAGAAATC
TGCATATAATAGACCCACAGAGTCCAACTATTGTTTCAGAGATCAACTGTACTTCACAGAGAGTAATTCTAAGTC
TTACAGGATTTTCATGGAGATGGCGAGAGTGGTGTGGAGAATCAATCACATACAGAGATACAGGACAGTGAGACC
AGGTAACATTTGAGGAGAATATTTTTTTTTTTTATTGAGACAGGGTCTTGCTCTGTTGTCCAGGCTGGAGTGCAGTG
GCACGAACACAGCTCACTGCCGCCTCAACCTCTCCTGGGTTCAGTGATCCTCCTGCCTCAGCCTCCCAAGTAGC
TGGGACCACAGGTGTGTGCCACCATTTCTGGCTAATTTTTAAATTTTTTGTAGAGGCGGGATCCCACTATTTTTTC
CCAGGCTGGTCTCAAACCTCCTGGGCTCAAATGATCCTCCACCTCGGCCTCCCAAAGTGCTAGGATTATAGGCAT
GAGCCACCACACCCGGCCTGAGTAGAGTCTTTAAGGTAATGACAAAAGTGCCCTCAAATATAATTATTTGATTAA
GAGAAGTCTTGGAAGATAGGTAACAACCTTTAAAAATGTTCAATAAAATTACATCCTTTGTAATACTCCTGCAAGT
CAAAGTAAAGGATGGCATAGACTATTCTTGACAGTTTTGTCAAAAAAGTGATCTTGACCCCACCATCAGTACTC
CATTCTTCATTTTTAAAAAATAAGATGGGCTGGGCACAGTGGCTTACGCCCTTAATATCAGTACTTTGGGAGGCTG
GTGGGCGGATCACCTGAGATCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCGTCTCTACTAAAAAT
ACAAAAATTAGCTGGGCATGGTGGTGC GCGCCTGTAATCCCAGCCACTCGGGAGGCTGAGGCAGGAGAATTGCTT
GAATCCCCGAGGCGGAGGTTGCACTGAGCCGAGATGGTGCCACTGCACCATCTGGACAACAGAGCAAGACTCCGT
CTTGG

6494/6881
FIGURE 5994

ACGGCAGCCGTCAGGGACCGTCCCCCAACTCCCCTTTCGCTCAGGCAGGGTCCTCGCGGGCCCATGCTGGCCGCT
GGGGACCCGCGCAGCCCAGACCGTTCCCGGGCCGGCCAGCCGGCACCATGGTGGCCCTGAGGCCTGTGCAGCAAC
TCCAGGGGGGCTAAAGGGCTCAGAGTGCAGGCCGTGGGGCGCGAGGGTCCCGGGCCCTGAGCCCCGCGCCATGGCC
GGGGCCATCGCTTCCCGCATGAGCTTCAGCTCTCTCAAGAGGAAGCAACCCAAGACGTTACCGTGAGGATCGTC
ACCATGGACGCCGAGATGGAGTTCAATTGCGAGATGAAGTGGAAAGGGAAGGACCTCTTTGATTTGGTGTGCCGG
ACTCTGGGGCTCCGAGAAACCTGGTTCTTTGGACTGCAGTACACAATCAAGGACACAGTGGCCTGGCTCAAAATG
GACAAGAAGGTACTGGATCATGATGTTTCAAAGGAAGAACCAGTCACCTTTCACCTTCTTGCCAAATTTTATCCT
GAGAATGCTGAAGAGGAGCTGGTTTCAGGAGATCACACAACATTTATTCTTCTTACAGGTAAAGAAGCAGATTTTA
GATGAAAAGATCTACTGCCCTCCTGAGGCTTCTGTGCTCCTGGCTTCTTACGCCGTCCAGGCCAAGTATGGTGAC
TACGACCCCACTGTTTACAAGCGGGGATTTTTGGCCCAAGAGGAATTGCTTCCAAAAGGGTAATAAATCTGTAT
CAGATGACTCCGGAATGTGGGAGGAGAGAATTACTGCTTGGTACGCAGAGCACCGAGGCCGAGCCAGGGATGAA
GCTGAAATGGAATATCTGAAGATAGCTCAGGACCTGGAGATGTACGGTGTGAATACTTTGCAATCCGGAATAAA
AAGGGCACAGAGCTGCTGCTTGGAGTGGATGCCCTGGGGCTTCACATTTATGACCCTGAGAACAGACTGACCCCC
AAGATCTCCTTCCCGTGAATGAAATCCGAAACATCTCGTACAGTGACAAGGAGTTTACTATTAAACCACTGGAT
AAGAAAATTGATGTCTTCAAGTTTAACTCCTCAAAGCTTCGTGTTAATAAGCTGATTCTCCAGCTATGTATCGGG
AACCATGATCTATTTATGAGGAGAAGGAAAAGCCGATTCTTTGGAAGTTCAGCAGATGAAAGCCCAGGCCAGGGAG
GAGAAGGCTAGAAAGCAGATGGAGCGGCAGCGCTCGCTCGAGAGAAGCAGATGAGGGAGGAGGCTGAACGCACG
AGGGATGAGTTGGAGAGGAGGCTGCTGCAGATGAAAGAAGAAGCAACAATGGCCAACGAAGCACTGATGCGGTCT
GAGGAGACAGCTGACCTGTTGGCTGAAAAGGCCAGATCACCGAGGAGGAGGCAAACTTCTGGCCCAAGAGGCC
GCAGAGGCTGAGCAGGAAATGCAGCGCATCAAGGCCACAGCGATTTCGCACGGAGGAGGAGAAGCGCCTGATGGAG
CAGAAGGTGCTGGAAGCCGAGGTGCTGGCACTGAAGATGGCTGAGGAGTCAGAGAGGAGGGCCAAAAGAGGCAGAT
CAGCTGAAGCAGGACCTGCAGGAAGCACGCGAGGCGGAGCGAAGAGCCAAGCAGAAGCTCCTGGAGATTGCCACC
AAGCCACGTACCCGCCCATGAACCCAATTCCAGCACCGTTGCCTCCTGACATACCAAGCTTCAACCTCATTGGT
GACAGCCTGTCTTTGACTTCAAAGATACTGACATGAAGCGGCTTTCCATGGAGATAGAGAAAGAAAAAGTGGAA
TACATGGAAGAGCAAGCATCTGCAGGAGCAGCTCAATGAACTCAAGACAGAAATCGAGGCCTTGAAACTGAAA
GAGAGGGAGACAGCTCTGGATATTCTGCACAATGAGAACTCCGACAGGGGTGGCAGCAGCAAGCACAAATACCATT
AAAAAGCTCACCTTGAGAGCGCCAAGTCCCGAGTGGCCTTCTTTGAAGAGCTCTAGCAGGTGACCCAGCCACCC
CAGGACCTGCCACTTCTCCTGCTACCGGGACCGCGGGATGGACCAGATATCAAGAGAGCCATCCATAGGGAGCTG
GCTGGGGGTTTTCCGTGGGAGCTCCAGAACTTTCCCCAGCTGAGTGAAGAGCCAGCCCCTCTTATGTGCAATTGC
CTTGAATAACGACCCTGTAGAGATTTCTCTCATGGCGTTCTAGTTCTCTGACCTGAGTCTTTGTTTTAAGAAGTA
TTTGTCT

6495/6881
FIGURE 5995

MAGAIASRMSFSSSLKRKQPKFTTVRIVTMDAEMEFNCEMKWKGKDLFDLVCRTLGLRETWFFGLQYTIKDTVAVL
KMDKKVLDHDVSKEEFPVTFHFLAKFY PENAEELVQEITQHLFFLQVKKQILDEKIYCPPEASVLLASYAVQAKY
GDYDPSVHKRGFLAQEELLPKRVINLYQMTPEMWEERITAWYAEHRGRARDEAEMEYLKIAQDLEMYGVNYFAIR
NKKGTELLLGVDALGLHIYDPENRLTPKISFPWNEIRNISYS DKEFTIKPLDKKIDVFKFNSSKLRV NKLILQLC
IGNHDLFMRRRKADSLEVQQMKAQAREEKARKQMERQRLAREKQMREEAERTRDELERLLQMKEEATMANEALM
RSEETADLLAEKAQITEEEAKLLAQKAAEAEQEMQRIKATAIRTEEEKRLMEQKVLEAEVLALKMAESERRAKE
ADQLKQDLQEAREAEERRAKQKLEIATKPTYPPMNP IPAPLPDP IPSFNLI GDSLSFDFKDTDMKRLSMEIEKEK
VEYMEKSKHLQEQLNELKTEIEALKLKERETALDILHNENS DRGGSSKHNTIKKLTLSAKSRVAFFEEL

6496/6881
FIGURE 5996

GGCACGAGGCCCGAAGTGC GGCGCTCAGGGAGCTGTACCGTGGTCGGCGGGCGGGCGGGCGGGCGGCACAG
AGCCGGTGGTGGAGCCGCCGAGGAGGGTCACGCAGCACAAATGCCAGCTCTGCCCCCTGGACCAACTCCAGATCACC
CACAAGGACCCGAAGACAGGAAAGCTGAGGACTTCACCAGCGCTGCACCCGAGCAGAAGGCAGACCGGTATTTT
GTGTTATACAAACCGCCCCCTAAAGACAACATTCCCGCCCTAGTGGAGGAGTACCTGGAACGCGCCACCTTCGTA
GCCAATGACCTCGACTGGCTCCTGGCCTTGCCCTACGATAAATTCTGGTGCCAGGTGATCTTTGACGAGACTCTA
CAGAAGTGCCTGGACTCCTACCTGCGCTATGTCCCCGCAAATTCGACGAGGGGGTGGCCTCAGCCCCCTGAGGTT
GTTGACATGCAGAAGCGCCTCCATCGAAGTGTTTTTCTCACCTTCCTCCGCATGTCCACTCACAAGGAATCCAAA
GATCACTTCATTTCCCTTCTGCGTTTGGAGAAATCCTCTACAATAACTTCCTCTTTGACATTCCAAAAGATCCTG
GACCTCTGCGTGCTCTTTGGAAAAGGCAACTCACCCTGCTCCAGAAGATGATAGGAAACATCTTTACACAGCAG
CCAAGTTACTACAGTGACCTGGATGAAACCCCTGCCTACCATCCTTCAGGTCTTCAGCAATATCCTCCAGCAGTGT
GGTTTGCAAGGGGACGGGGCCAATACCACACCCCAAGCTTGAGGAGAGGGGCGGATTGACCCCCAGTGACATG
CCTCTCCTGGAATTAAGGACATTGTTCTCTACCTTTGTGATACCTGCACCACACTTTGGGCCTTTCTGGATATC
TTCCCTTTGGCTTGCCAGACCTTCCAGAAGCAGACTTTTGTACAGACTAGCTTCCTTCTACGAAGCAGCAATT
CCCGAAATGGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGATAGCAAGCTTCTTGGTGACCTGTGGCAGAGGCTC
TCCCATTCAGGAAGAAGCTAATGGAGATTTTCCACATCATCCTGAACCAGATCTGCCTCCTTCCCATCCTAGAA
AGCAGCTGTGACAACATTCAGGGCTTCATCGAAGAGTTCCTTCAGATCTTCAGCTCCTTGCTGCAGGAGAAGAGG
TTCCTCCGGGACTATGATGCACTCTTCCCCGTGGCCGAAGACATCAGCTTGCTGCAGCAGGCCTCATCAGTCTTG
GACGAGACGCGGACTGCCTACATCCTCCAGGCAGTCGAGAGTGCATGGGAAGGGGTGGACAGACGGAAAGCCACA
GATGCTAAAGACCCATCGGTGATTGAGGAGCCTAATGGGGAGCCTAACGGGGTCACGGTGACAGCAGAGGCAGTC
AGTCAAGCATCATCACATCCGGAGAAGCTCGGAGGAAGAGGAGTGCATGGGAGCAGCCGCGGCTGTGGGCCCTGCC
ATGTGTGGGGTGGAACTGGACTCTCTCATCTCCCAAGTGAAGGACCTGCTGCCAGACCTTGGTGAGGGCTTCATC
CTGGCCTGCCTGGAGTACTACCACTACGACCCAGAGCAGGTGATCAACAATATCCTGGAGGAGCGGCTGGCCCCC
ACCCTCAGCCAGCTGGACCGCAACCTAGACAGAGAAATGAAACCAGACCCTACACCCCTGCTGACGTCTCGCCAC
AACGTCTTCCAGAATGACGAGTTTGATGTGTTTCAGCAGGGACTCAGTAGACCTGAGCCGGGTGCACAAGGGCAAG
AGCACCAGGAAGGAGGAAAACACGCGGAGTTTGCTGAACGACAAGCGTGCAGTGGCGGCACAGCGGCAGCGCTAC
GAGCAGTACAGCGTGGTGGTGGAGGAGGTGCCACTGCAGCCAGGCGAGAGCCTGCCCTACCACAGTGTCTACTAC
GAGGATGAGTACGATGACACATACGATGGCAACCAGGTGGGCGCCAATGATGCAGACTCTGATGACGAGCTCATC
AGCCGCAGGCCATTCACCATCCCTCAGGTGCTGAGAACCAGTGCCTAGAGAAGGGCAGGAGGAGGATGACGAC
GATGAGGAAGACGATGCTGACGAGGAGGCTCCCAAGCCGACCATTTTGTTCAGGACCCTGCAGTGCTGAGAGAG
AAGGCAGAAGCCAGGCGCATGGCCTTTCTCGCCAAGAAAGGTACCGGCATGACAGCTCAACAGCAGTGGCCGGC
AGCCCCGAGGCCATGGGCAGAGCCGCGAGACAACCCAGGAACGCAGGAAGAAGGAAGCCAACAAGGCGACAAGA
GCCAACCACAACCGGAGAACCATGGCCGACCGCAAGAGGAGCAAAGGCATGATCCCATCCTTCAGACCTGGTGACG
GGCCAGTGGGGAGGCAGCGGCACCACTCACCAGGCCGTGCTCCCATCGCCTGGGGCCTCCTCACTAGGGGGCCC
CAAGTTCAACTCAACCCCTCAACAGCCTCAGCTTTGCAGCCCCTGAGAAGGCCGCTCTCATCTACCAGCCAGCC
ATGAGCGCCTTCTGCGAGAACACACAGTGCCTTATGCCACAGCCGAAGAATCCGTGGGGCCGGCAAGCAGGCACC
TTCCCCCAGCTGCGCTAGCGGGAAAGAGATGGGGATGGAGTCCCAAGGCAAGCGCCCCAAACCTCGGGCCACAAG
ACACCACTTCCCTTTACCCTGGACAGCAGGAAACCTGTATATTCAAAAACACAAAAGTCTGCTAATAAAATT
TTTGACCTTTCAAAAAAAAAAAAAAAAAAAAAA

6497/6881
FIGURE 5997

MPALPLDQLQITHKDPKTGKLRTSPALHPEQKADRYFVLYKPPPKDNIPALVEEYLERATFVANDLDWLLALPHD
KFWCQVIFDETLQKCLDSYLRVPRKFDEGVASAPEVVDMMQRLHRSVFLTFMRMSTHKESKDHFISSAFGEIL
YNNFLFDIPKILDLCVLFKGKNSPLLQKMIGNIFTQQPSYSDLDETLPTILQVFSNQLQHCGLQG DGANTTPQK
LEERGRLTPSDMPLELKDILVLYLCDTCTTLWAFLDIFPLACQTFQKHDFCYRLASFYEAAIPEMESAIAKKRRLE
DSKLLGDLWQRLSHSRKKLMEIFHIILNQICLLPILESSCDNIQGFIEEFLLQIFSSLLQEKRFRLDYDALFPVAE
DISLLQQASSVLDETRTAYILQAVESAWEGVDRRKATDAKDP SVIEEPNGEPNGVTVTAEAVSQASSHPENSEEE
ECMGAAA AVGPAMCGVELDSLISQVKDLLPDLGEGFILACLEYYHYDPEQVINNILEERLAPTLSQLDRNLDREM
KPDPTPLLT SRHNVFQND EFDVFSRDSVDLSRVHKGKSTRKEENTRSLNDKRAVAAQRQRYEQYSVVVEEVPLQ
PGESLPYHSVYYE DEYDDTYDGNQVGANDADSDDELISRPF TIPQVLRTKVPREGQEEDDDDEEDDADEEAPKP
DHFVQDPAVLREKAEARRMAFLAKKGYRHDSSSTAVAGSPRGHGQSRETTQERRKKEANKATRANHNRRTMADRKR
SKGMIPS

6498/6881
FIGURE 5998

ATGGCTTGGGGAGTCAGTGCCAAATGGAGTAACGAGGGCATCACAAGTGTGGGTGACCCACAGTGGGAATGCCAG
AGTTGGAGCCTGAGCAGGAAAGATTGGTATGATGTGAAAGCACCTGCTATGTTTCAGTATAATAACTATGGGAAAG
ACACTCATCGCCAGGACTCAAGGAATCAAATTCATCTGATGGCCTCAAGGGTCATGTGTTTGAAGTCTGCCAA
ATCCAGAAGAAGATGATGGAAATCATGACCCAAGAGGTGCAGACAAATGACTTGAAAGAAGTGGTCAATAAATTG
ATTCCAGACAGCACTGGAAAAGACATAGAAAAGGCTTGCCTATCTGTTTATCCTCTCCATGGTGTCTTCATTAGG
AAAGTAAAAATAAAGAAGCCCAAGTTTGAATTGGGAAAACTCATGTAG

6499/6881
FIGURE 5999

GGCACGAGGCCGCAACTCGCTCGGCCGCCGATCTTGCGAGCTCGTCGTACTGACCGAGCGGGGAGGCTGTCTT
GAGGCGGCACCGCTCACCAGACACCGAGGCGGACTGGCAGCCCTGAGCGTCGCAGTCA**ATG**CCGGCCGGACCCGTGC
AGGCGGTGCCCCCGCCGCCCGCCGTGCCACGGAGCCCAAACAGCCACAGAAGAAGAAGCATCTTCAAAGGAGG
ATTCTGCACCTTCTAAGCCAGTTGTGGGGATTATTTACCCTCCTCCAGAGGTCAGAAATATTGTTGACAAGACTG
CCAGCTTTGTGGCCAGAAACGGGCCTGAATTTGAAGCTAGGA**T**CCGACAGAACGAGATCAACAACCCCAAGTTCA
ACTTTCTGAACCCCAATGACCCTTACCATGCCTACTACCGCCACAAGGTCAGCGAGTTCAAGGAAGGGAAGGCTC
AGGAGCCGTCCGCCGCCATCCCCAAGGTCATGCAGCAGCAGCAGCAGACCACCCAGCAGCAGCTGCCCCAGAAGG
TCCAAGCCCAAGTAATCCAAGAGACCATCGTGCCCAAAGAGCCTCCTCCTGAGTTTGAGTTCAATTGCTGATCCTC
CCTCTATCTCAGCCTTCGACTTGATGTGGTGAAGCTGACGGCTCAGTTTGTGGCCAGGAATGGGCGCCAGTTTC
TGACCCAGCTGATGCAGAAAGAGCAGCGCAACTACCAGTTTGACTTTCTCCGCCACAGCACAGCCTCTTCAACT
ACTTCACGAAGCTAGTGGAACAGTACACCAAGATCTTGATTCCACCCAAAGGTTTATTTTCAAAGCTCAAGAAAG
AGGCTGAAAACCCCGAGAAGTTTGGATCAGGTGTGTTACCGAGTGGAATGGGCCAAATTCCAGGAACGTGAGA
GGAAGAAGGAAGAAGAGGAGAAGGAGAAGGAGCGGGTGGCCTATGCTCAGATCGACTGGCATGATTTTGTGGTGG
TGGAACAGTGACTTCCAACCCCAATGAGCAAGGGAACTTCCCTCCCCCACCACGCCAGAGGAGCTGGGGGCC
GAATCCTCATTAGGAGCGCTATGAAAAGTTTGGGGAGAGTGAGGAAGTTGAGATGGAGGTGAGTCTGATGAGG
AGGATGACAAACAGGAGAAGGCGGAGGAGCCTCCTTCCCAGCTGGACCAGGACACCCAAGTACAAGATATGGATG
AGGGTTGAGATGATGAAGAAGAAGGGCAGAAAAGTGCCCCCACCACCCAGAGACACCCATGCCTCCACCTCTGCCCC
CAACTCCAGACCAAGTCATTGTCCGCAAGGATTATGATCCCAAAGCCTCCAAGCCCTTGCCCTCCAGCCCCTGCTC
CAGATGAGTATCTTGTGTCCCCCATTACTGGGGAGAAGATCCCCGCCAGCAAAATGCAGGAACACATGCGCATTG
GACTTCTTGACCCTCGCTGGCTGGAGCAGCGGGATCGCTCCATCCGTGAGAAGCAGAGCGATGATGAGGTGTACG
CACCAGGTCTGGATATTGAGAGCAGCTTGAAGCAGTTGGCTGAGCGGCGTACTGACATCTTCGGTGTAGAGGAAA
CAGCCATTGGTAAGAAGATCGGTGAGGAGGAGATCCAGAAGCCAGAGGAAAAGGTGACCTGGGATGGCCACTCAG
GCAGCATGGCCCGGACCCAGCAGGCTGCCCAGGCCAACATCACCTCCAGGAGCAGATTGAGGCCATTACAAGG
CCAAAGGCCTGGTGCCAGAGGATGACACTAAAGAGAAGATTGGCCCCAGCAAGCCCAATGAAATCCCTCAACAGC
CACCGCCACCATCTTCAGCCACCAACATCCCCAGCTCGGCTCCACCCATCACTTCAGTGCCCCGACCACCCACAA
TGCCACCTCCAGTTCTGTAAGTGTCTCCGCAGTACCCGTCATGCCCCGGCCCCCAATGGCATCTGTGGTCC
GGCTGCCCCCAGGCTCAGTGATCGCCCCCATGCCGCCATCATCCACGCGCCAGAAATCAACGTGGTGCCCATGC
CTCCCTCGGCCCTCCTATTATGGCCCCCGCCACCCCCCATGATTGTGCCAACAGCCTTTGTGCCTGCTCCAC
CTGTGGCACCTGTCCCAGCTCCAGCCCCAATGCCCCCTGTGCATCCCCACCTCCCATGGAAGATGAGCCACCT
CCAAAAAAGTGAAGACAGAGGACAGCCTCATGCCAGAGGAGGAGTTCTTGCGCAGAAACAAGGTTCCAGTGTCCA
TCAAAGTCCAGGTGCCAACATGCAGGATAAGACGGAATGGAACTGAATGGGCAGGTGCTGGTCTTACCCCTCC
CACTCACGGACCAGGTCTCTGTCAATTAAGGTGAAGATTATGAAGCCACAGGCATGCCTGCAGGGAAACAGAAGC
TACAGTATGAGGGTATCTTCATCAAAGATTCCAACCTACTGGCTTACTACAACATGGCCAATGGCGCAGTCATCC
ACCTGGCCCTCAAGGAGAGAGGCGGGAGGAAGAAG**TAG**ACAAGAGGAACCTGCTGTCAAGTCCCTGCCATTTTGC
CTCTCCTGTCTCCACCCCTGCCCCAGACCCAGGAGCCCCCTGAGGCTTGCCTTGCTGCATATTTGTTTCG
CTCTTACTCAGTTTGGGAATTCAAATTGTCTCTGCAGAGGTTCAATCCCTGACCTTTCCCCACATTGGTAAGAG
TAGCTGGGTTTTCTAAGCCACTCTCTGGAATCTCTTTGTGTTAGGGTCTCGATTTGAGGACATTCAATTTCTTCAG
CAGCCCATTAGCAACTGAGAGCCAGGGATGTCTACAGGATAGTTTCATAGTGACAGGTGGCACTTGCTAATA
GAATATGGCTGATATTGTCAATTAATCATTTTGTACCTTGACATGGGTGTCTAATAAACTCGGACCCTTCTGT
GAAAAAAAAAAAAAAAAAAAA

6500/6881
FIGURE 6000

MPAGPVQAVPPPPVPTEPKQPTTEEASSKEDSAPSKPVVGIIYPPPEVRNIVDKTASFVARNGPEFEARIRQNE
INNPKFNFLNPNDPYHAYYRHKVSEFKEGKAQEPSAAIPKVMQQQQQTQQQLPQKVQAQVIQETIVPKEPPPEF
EFIADPPSISAFDLDVVKLTAQFVARNGRQFLTQLMQKEQRNYQFDFLRPQHSLFNFTKLVEQYTKILIPPKGL
FSKLKKEAENPREVLDQVCYRVEWAKFQERERKKEEEEKEKERVAYAQIDWHDFVVVETVDFQPNQGNFPPTT
PEELGARILIQERYEKFGESEEVEMEVESEDEDDKQEKAEPPSQLDQDTQVQDMDEGSDDDEEGQKVPPPPETP
MPPPLPPTPDQVIVRKDYDPKASKPLPPAPAPDEYLVSPITGEKIPASKMQEHMRIGLLDPRWLEQRDRSIREKQ
SDDEVYAPGLDISSLKQLAERRTDIFGVEETAIGKKIGEEIQQKPEEKVTWDGHSGSMARTQQAAQANITLQEQ
IEAIHKAKGLVPEDDTKEKIGPSKPNEIPQQPPPPSSATNIPSSAPPITSVPRPPTMPPPVRTTVVSAVPVMPRP
PMASVVRLPPGSVIAPMPPIIHAPRINVVPMPPSAPPIMAPRPPPMIVPTAFVPAPPVAPVPAPAPMPPVHPPPP
MEDEPTSKKLKTEDSLMPEEEFLRRNKGPVSIKVQVPMQDKTEWKLNGQVLVFTLPLTDQVSVIKVKIHEATGM
PAGKQKLQYEGIFIKDSNSLAYYNMANGAVIHLALKERGGRKK

6501/6881
FIGURE 6001

ATGAGGTGGGCGAGGCTTTCCGCTCTCTTGTGCCAGCGGCGGGTGGTGTGGCTGAGCTATGGCGTGGCCAGCTCC
TACGTGCTGGCGGATGCCATTGACAAAGGCAAGAAGGCTGGAGAGGTGCCCAGCCCTGAAGCAGGCCGCGAGCGCC
AGGGTGACTGTGGCTGTGGTGGACACCTTTGTATGGCAGGCTCTAGCCTCTGTGGCCATTCCGGGCTTCACCATC
AACCGCGTGTGTGCTGCCTCTCTCTATGTCTGGGCACTGCCACCCGCTGGCCCCCTGGCTGTCCGCAAGTGGACC
ACCACCGCGCTTGGGCTGTTGACCATCCCCATCATTATCCACCCCATTGACAGGTCGGTGGATTTCCTCCTGGAC
TCCAGCCTGCGCAAGTCTACCCAACAGTGGGGAAGCCAGCTCCTCCTGATCATACTCTGGTACCTGGCCTGTGC
ATCGGCCTCCTGCTTCATGTCAACCTCCTACTCCTGCCAGGGAATGTGGACACCTGGCTCCCTGGTGTCCAAAGA
CCCTGGCACCTGGGTGGGTTTGTAGCTGGACAGAAGCTTAGAGACAAAGGCTTCAAGAAGCAGTGGCTGCAGGGAG
TCACAGAAGGGCAGGACCTTGA

6502/6881
FIGURE 6002

MRWARLSALLCQRRVVWLSYGVASSYVLADAIDKGKKAGEVPSPEAGRSARVTVAVVDTFVWQALASVAIPGFTI
NRVCAASLYVLGTATRWPLAVRKWTTTALGLLTIPIIIHPIDRSVDFLLDSSLRKSTQQWGSPAPPDHTLVPGLC
IGLLLHVNLNLLLPGNVDTWLPGVQRPWHLGGFELDRSLETKASRSSGCRESQKGRT

6503/6881
FIGURE 6003

CACGAGGAAGTGGAGCTGCCTGTACGCGCGGCCCTAGTCGGCTCCTCAACGTGGAGCGATGGGAGGCCCTTGAGAA
GAAGAAGTATGAACGAGGCTCGGCCACCAACTACATCACCCGGAACAAAGCCCGGAAGAAGCTCCAGCTGAGCTT
GGCTGACTTTAGGCGGCTGTGCATTCTGAAGGGCATTATCCCCATGAACCCAAACACAAGAAGAAGGTTAACAA
GGGTTCTACAGCAGCCCGAACGTTTTACCTTATCAAAGACATCAGGTTTCTCCTCCACGAACCCATTGTCAACAA
GTTCCGTGAATACAAGGTGTTTCGTCCGGAAGCTCCGGAAGGCTTATGGGAAGAGCGAGTGAACACTGTAGAGCG
TTTAAAGGACAATAAGCCCAACTACAACTCGACCACATCATCAAGGAACGGTATCCCACGTTTCATCGATGCCCT
GCGGGACCTGGACGATGCCCTCTCCATGTGCTTCTGTTTTCCACCTTCCCGCGGACTGGCAAGTGCCACGTGCA
GACCAITCAGCTGTGCCGCCGGCTCACTGTGGAGTTTCATGCACTACATTATCGCTGCCCCGTGCCCTGCGCAAGGT
CTTCCTGTCCATCAAAGGCATTTACTACCAGGCCGAGGTACTGGGGCAGCCCATCGTGTGGATCACTCCCTATGC
CTTCTCCCATGACCACCCGACAGACGTGGACTACAGGGTTCATGGCCACCTTCACCGAGTTCTACACCACGCTGCT
GGGCTTTGTCAACTTCCGCCTTTACCAGTTGCTCAACCTCCACTATCCCCCGAAGCTCGAGGGTCAGGCCCCAAGC
AGAGGCAAAGGCCGGTGAGGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTGGCAGCCCTCAGTGC
CAGCCTGGCCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAGTTTCCACCGATGGGGAGAT
GTCAGCGCAGGAGGAAGACCGCAGGAAGGAGCTGGAGGCGCAGGAGAAGCACAAGAAGCTTTTTGAGGGCCTGAA
GTTCTTCTGAACCGAGAGGTGCCCCGTGAGGCCCTGGCCTTCATCATCAGGAGTTTGGTGGGGAAGTGTCTTG
GGACAAATCTTTGTGCATTGGGGCCACCTATGACGTCACAGACTCCCGCATCACCCATCAGATTGTGACCGGCC
TGGGCAGCAGACCTCAGTCATTGGCAGGTGCTACGTGCAGCCCCAGTGGGTGTTTGACTCAGTGAACGCCAGGCT
CCTTCTCCCCGTGGCAGAGTACTTCTCTGGGGTGCAGCTGCCCCACACCTTTCACCTTTGTGACCGAGAAGGA
AGGAGATTACGTTCCACCTGAGAAGCTGAAGCTGCTGGCTCTGCAGCGGGAGAGGACCCAGGAAACCTGAATGA
GTCAGAAGAGGAGGAGGAAGAGGACGACAACAACGAAGGTGATGGTGATGAAGAGGGAGAAAATGAGGAGGAGGA
GGAAGATGCAGAGGCTGGTTTCAGAAAAGGAGGAAGAGGCCCGGCTGGCAGCCCTGGAAGAGCAGAGGATGGAGGG
GAAGAAGCCAGGGTGATGGCAGGCACCTTGAAGCTGGAGGATAAGCAGCGGCTGGCCCAGGAGGAGGAGAGTGA
GGCCAAGCGCCTGGCCATTATGATGATGAAGAAGCGGGAGAAGTACCTGTACCAGAAGATCATGTTTGGCAAGAG
GCGAAAAATCCGAGAGGCCAACAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTGAGGTCTGAGAAGAA
GGCCAAGAAGGCAAGGCCGGAGTGAGTGCTTCCGGCCCCCTCACAGGGCTGAGGCCAGCCCCTAGCAGCTGGATGT
GGCAGAGGCAGGCCAGAGGACCTAAGTGTGATGGACCAGAGTCACTTCTCCTCCTCCTTTCTCCAGCCAGCCCTG
ACCCCTCATGCTCTCTGGCTGGGCCAGTGGGCAGCCCTCGCTTCCCTGGATGGAGCTGCCCTGCTGGTGCCTGG
TCAGAGAAGAGGCCTCTGTGCCAGCCTGATTCTCTGCTCCCAGGAGCCAGTGACATGAGGTGCAGAGGCCACC
CAGCCCCCTACCTACTGCCCCATTCTCTCTGGCTTTCCACAGCCCCCTCCACACAGTTGGACCCGTGATTCTC
AGGGTGCTGTGATGGGGTGAGGGTAGGGGGAGCATTGTATTAAATGACTGGACTTTTGAAAAAAAAAAAAAA
AAAAAA

6504/6881
FIGURE 6004

MGGLEKKKYERGSATNYITRNKARKKLQLSLADFRRLCILKGIYPHEPKHKKKVNKGSTAARTFYLIKDIRFLLH
EPIVNKFREYKVFVRKLRKAYGKSEWNTVERLKDKNKPNYKLDHI IKERYPTFIDALRDLDDALSMCFLFSTFPRT
GKCHVQTIQLCRRLTVEFMHYIIAARALRKVFLSIKGIYYQAEVLGQPIVWITPYAFSHDHPTDVDYRVMATFTE
FYTTLLGFVNFRLYQLLNLYHPPKLEGQAQAEAKAGEGTYALDSESCMEKLAALSASLARVVVPATEEEAEVDEF
PTDGEMSAQEEDRRKELEAQEKHKKLFEGLKFFLNREVPREALAFIIRSFGEVSWDKSLCIGATYDVTDNRITH
QIVDRPGQQT SVIGRCYVQPQWVFD SVNARLLLPVAEYFSGVQLPPLSPFVTEKEGDYVPPEKLKLLALQRGED
PGNLNESEEEEEEDDNNEGDGDEEGENEEDAEAGSEKEEEARLAALAEQRMGKKPRVMAGTLKLEDKQRLA
QEESEAKRLAIMMMKKREKYLYQKIMFGKRRKIREANKLAEKRAHDEAVRSEKKAKKARPE

6505/6881
FIGURE 6005A

CGAGACTCAGATTGTCTGAATTGAGCTATCGCAACTTAATGCTAAAAGCTCCTTAAAGCTACAGATTTATGACAT
AGTTCCTTCCAAAATATTACATCATAAATCATTGAGAAGATTAAAAAAAACACTTGAAGAAATTGTAGTTTTAA
ACATCTCTGCATATATTTTGGATAGCTACTAGGTTACTTTAACTGTCATTAAAGGAGCACAGACTTACTGAAGCTT
TACTGGACAGAATCCTGGGAAATCGATATCATTATAAGGTTATATTTCCCAGTTAGCGGGTGAAGGGCTGGAGAC
CTTATTGCAGTCATGGCTTTCACAAATTACAGCAGTCTGAATCGAGCTCAGCTAACCTTTGAATATCTGCACACA
AATTCGTAAGTATCCTCTAGGTGCCACTGAGGTAACCAGTAACTCGTTCCCTTGATATTATAATGGAATCGTTTCC
CCAGAAAATTTTGCTTTTTCACTTTTTGAGATGTATCCCAGTGGAGTGAAATGTGTCACTGGATATCTTGAGCTC
TGTATTGAAGAACTGAGATCAGTGAAATACTTGTGTGTAATCCAGAAGAATCTGATTTTTGTTTTATTGGATCAAA
ATTTTCTAAATGCAAACCTTTAGTTATTTGAAGTCAATATGTTGAGTTGTTTCATTCAAGTGTTTTATAGGAATCCA
ACAAATACTGCTCTATTGGATCGCCAAATGTTGGACTATTTTAGTATCAACCGTTTTCCCTCTGTAGTGACAACG
TCCTAAACAGTTAGGTTTATAACAAGTGTTTACTTTCTAACAAGAAAACAGAAGACATTTAAATGACAACCTTCA
AGAAGAAAATTTTTATTTTTTTCAGAAGTTGGCATTATCTTCCTGGCAGATTGCTCACATCCAATATTATTTGTAT
ATGCTAAACAGGAAACGGCAACTTGTTTATATCTCTATTAGATAGTCTTTCCCCAAAATTTCCACAGAAACATA
CAGTGTTTCATGGTTCTTGAGTTTCATGAAGGAGTAATCTAATCACTCCAACATGGTCTGGAATGTTTCAGGTTTAA
TCCATATGCCCACTCTCTTGAGGCTGTCCAGTAGCGTCAAAACTTTAGTGTTTTAATACATTACCTGTTACTT
TTGAGATGAAGTTCACCTTTCTTGATCACATGCAAAGGATGTTTAGGTCTGTGAAGAAAAGAATTTCTAGGCCG
GGTGCTGTGGCTCACGCCTGTAATCCAGCACTTTGGGAGGCCGAGAACCCTCACGAATTTCTGTTTGGTGCTC
TTGCTGAAGTGGTTGATAATGCAAGAGATGCTGATGCCACCAGAATAGATATTTATGCAGAAAGACGAGAGGACC
TTCGAGGAGGATTTATGCTTTTGCTTTTTGGATGATGGAGCAGGAATGGATCCAAGTGATGCTGCCAGTGATCC
AGTTTGGGAAGTCGGCCAAGCGAACCTGAGTCTACTCAGATTGGGCAGTACGGGAATGGGTAAAATCGGGCT
CAATGCGCATTTGGGAAGGATTTATCTCTGTTACCAAGAAGGAAGACACCATGACGTGCCTCTTCTGTCTCGCA
CGTTTCATGAGGAAGAAGGCATTGATGAAGTGATAGTCCCAGTGGCCACCTGGAATGCTCGGACCCGGGAACCTG
TCACAGACAATGTAGAGAAATTTGCCATTGAGACAGAACTCATCTATAAGTACTCTCCATTCCGCACTGAGGAGG
AAGTGATGACCCAGTTTATGAAGATTCCTGGGGACAGCGGAACATTGGTGATCATCTTCAATCTCAAACCTCATGG
ATAATGGAGAGCCAGAAGTAGACATAATCTCAAATCCAAGAGATATCCAGATGGCAGAGACGTCCCCAGAGGGCA
CGAAGCCAGAGCGGCGCTCGTTCCGTGCCTATGCCGCTGTGCTCTATATTGATCCCCGGATGAGGATCTTCATCC
ATGGGCACAAGGTGCAGACCAAGAGGCTCTCCTGCTGCCTGTACAAGCCCAGGATGTACAAGTACACGTCAAGCC
GTTTCAAGACCCGTGCGGAGCAGGAGGTGAAGAAAGCAGAGCACGTAGCAAGGATTGCTGAAGAGAAGGCGCGGG
AGGCAGAGAGCAAAGCTCGGACATTAGAAGTACGCCTAGGTGGAGACCTCACGCGGGACTCCAGGGTGATGTTGC
GACAGGTCAGAACAGAGCCATCACTCTGCGCAGAGAAGCCGATGTCAAGAAGAGGATCAAGGAGGCCAAGCAGC
GAGCACTTAAAGAACCTAAGGAACCTGAATTTGTTTTGGTGTCACATTGAACACCGGGATCTGGATGGCATGT
TCATCTACAAGTGTAGCCGACTGATCAAAATGTATGAGAAAGTGGGCCACAGCTGGAAGGGGGCATGGCATGTG
GCGGGGTGTTGGGGTGTGTTGATGTGCCCTACCTGGTCTCTGGAGCCTACACACAACAAACAGGACTTTGCTGATG
CCAAGGAGTACCGGCACCTGCTCCGAGCAATGGGGGAGCACCTGGCGCAGTATTGGAAGGATATTGCCATCGCCC
AGAGGGGAATCATCAAGTCTGGGATGAGTTTGCTACCTCTCTGCCAACTGGAACCAGCCCCCGTCCAGTGAGC
TGCGTTACAAACGCCGGAGAGCTATGGAATCCCCACCACCATCCAGTGCGATTTGTGTCTGAAATGGAGAACCC
TCCCCTTCCAGCTGAGTTCTGTGGAAGAAAGATTACCCTGACACCTGGGTTTGCTCCATGAACCCTGATCCTGAAC
AGGACCGGTGTGAGGCTTCTGAACAAAAGCAGAAGGTTCCCCCTGGGAACATTGAGAAAGGACATGAAGACGCAGG
AAGAGAAGCAGAAACAACCTGACAGAGAAAATTGCCAGCAGCAGGAGAAGCTGGAGGCCCTTCAGAAAACACAC
CCATCCGCTCCCAAGCAGACCTGAAGAAATTGCCCTTGGAAGTGACCACCAGACCTTCCACTGAGGAACCTGTGC
GTAGACCTCAGCGTCTCGGTGCCCCCTTTACCTGCTGTGATCAGGAACGCCCCCAGCAGACCCCCCTTCTTTGC
CAACTCCTAGACCAGCCAGCCAGCCCCGAAAGGCTCCTGTGATCAGCAGTACCCCAAAGCTCCCTGCTTTGGCAG
CCCGGGAGGAGGCCAGCACATCTAGGCTGCTCCAGCCACCTGAGGCACCCCGAAAGCCTGCCAACACTCTCGTCA
AGACTGCATCCCGACCTGCCCCCTCTGGTGACGAACTGTCAACCATCTTTACTGCCCAACTCCAAGAGCCCTCGGG
AGGTTCTTCTCCCAAAGTCATCAAGACTCCAGTGGTGAAGAAGACAGAGTCACCCATCAAACCTCTCCCCGGCTA
CCCCTAGTCGGAAGCGGAGTGTGCGAGTTTCTGATGAGGAAGAAGTTGAGGAGGAAGCTGAGAGGAGGAAGGAGA
GGTGCAAGCGGGGAGATTGTTGTGAAGGAGGAAAAGAAGGACTCGAATGAGCTCTCAGACAGTGCTGGGGAAG
AGGACTCGGCTGACCTCAAGAGAGCTCAGAAAGATAAAGGGCTGCACGTGGAGGTGCGTGTGAACAGGGAGTGGT

6506/6881
FIGURE 6005B

ACACGGGCGGTGTACAGCCGTGGAGGTGGGCAAGCATGTGGTGCGGTGGAAGGTGAAGTTTGACTACGTGCCCCA
CAGACACGACACCAAGAGACCGCTGGGTGGAGAAAGGCAGTGAGGATGTGCGGCTGATGAAACCCCTTCTCCGG
AACATCAGAGCCTTGATACACAACAGGAGGGCGGGGAGGAGGAGGTGGGCCCTGTGGCCCAGCAGGCCATAGCTG
TCGCAGAGCCCTCCACTTCCGAATGCCTCCGCATTGAGCCTGACACCACTGCCCTGAGCACCAATCACGAGACCA
TCGACCTGCTTGTCCAGATCCTCCGGAATTGTTTACGGTACTTCCTGCCTCCAAGTTTCCCCATCTCCAAGAAGC
AGCTGAGTGCTATGAATTCAGATGAGCTAATATCTTTTCCTCTGAAGGAGTACTTCAAGCAATATGAAGTAGGGC
TCCAAAACCTGTGCAATTCCTACCAGAGCCGTGCTGACTCCCGGGCCAAGGCCTCCGAGGAAAGCCTGCGCACCT
CCGAGAGGAAGCTCCGCGAGACGGAGGAGAAGCTGCAGAAGCTGAGGACCAACATCGTGGCACTCCTGCAAAAAGG
TGCAGGAGGACATAGACATCAACACAGATGATGAGCTGGACGCCTACATTGAGGACCTCATCACCAAGGGGGACT
GAAGGCAGGAGAGAGAGCAGCTCCCCTGCCCACCTGCCCTCAACCCTGTAGCTGCAGGGGGAGGGGACTTCATT
CATGGGTTGGTGGTTCGCACCTTGGTTTGACTTACACGGGACATTTGTGTTTTTGGAGGAAAAGATACCCTGATTC
TTTGAATCTTCCTTAAGTTTATAAATATTTATTTTTTAAAAG

6507/6881
FIGURE 6006

MLCFLLDDGAGMDPSDAASVIQFGKSAKRTPESTQIGQYGNLKGSGSMRIGKDFILFTKKEDTMTCLFLSRTFHEE
EGIDEVIVPLPTWNARTREPVTDNVEKFAIETELIYKYSFRTTEEEVMTQFMKIPGDSGTLVIFNLKLMNDGEP
ELDIISNPRDIQMAETSPEGTKPERRSFRAYA AVLIDPRMRIFIHGHKVQTKRLSCCLYKPRMYKYTSSRFKTR
AEQEVKKAEHVARIAEEKAREAESKARTLEVRLGGDLTRDSRVMLRQVQNRAITLRREADVKKRIKEAKQRALKE
PKELNFVFGVNIEHRDLGDFIYNCSRLIKMYEKVGPQLEGGMACGGVVGVDVPYLVLEPTHNKQDFADAKEYS
HLLRAMGEHLAQYWKDIAIAQRGIIKFWDEFGYLSANWNQPPSSELYKRRRAMEIPTTIQCDLCLKWRTLFPQL
SSVEKDYPTWVCSMNPDPEDRCEASEQKQKVPLGTFRKDMKTQEEKQKQLTEKIRQQQEKLEALQKTTPIRSQ
ADLKKLPLEVTTRPSTEPPVRRPQRPRSPPLPAVIRNAPSRPPSLPTPRPASQPRKAPVISSTPKLPALAAAREEA
STSRLQPPPEAPRKPANTLVKTASRPAPLVQQLSPSLLPNSKSPREVSPKVIKTPVVKKTESPIKLSPATPSRK
RSVAVSDEEEVEEEAERRKERCKRGRFVVKEEKDSNELSDSAGEEDSADLKRAQKDKGLHVEVRVNREWYTGRV
TAVEVGKHVVRWKVKFDYVPTDTTPRDRWVEKGSSEVRLMKPPSPEHQSLDTQQEGGEEVGPVAQQAIAVAEPS
TSECLRIEPTTALSTNHETIDLLVQILRNCLRYFLPPSFPISKQLSAMNSDELISFPLKEYFKQYEVGLQNL
NSYQSRADSRASEESLRTSERKLRETEKLQKLRTNIVALLQKVQEDIDINTDDELDAYIEDLITKGD

6508/6881
FIGURE 6007

CAGAATCCAGGGGACGGTTGCTGAGCGGGCCTGGGACAGCGGGTCGCGGCACCTCCGGCCTGCGCGTGTCTAATC
CGTCTGTCGGGTCCCGAAAGAGCTAAGCCGAGCCTGCGCCGGACGGGTGGGCTGGACTGAGAGAATTCTCTGAGC
TGGTGACAGGTGCCACAGGCACTGGGGATCTCACCAGAAAGGAACCGACGGAGCTAGGGGGCCAGCGAGATGGCGG
ACGAGGCCCTTAGCTGGGCTGGATGAGGGAGCCCTTCGGAAGCTGCTGGAGGTCACAGCAGATCTGGCAGAGCGGC
GGCGCATCCGCTCAGCCATCCGGGAAGTGCAGCGGCAGGAGCTGGAGCGCGAGGAGGAGGCCCTGGCATCCAAGC
GTTTCCGTGCCGAGCGGCAGGACAACAAGGAGAAGTGGCTGCACTCTCAGCAGCGGGAAGCTGAGCAGCGGGCTG
CCCTGGCACGGCTGGCAGGGCAGCTGGAGTCCATGAACGATGTGGAGGAATTGACTGCACTGTTGCGAAGCGCTG
GTGAGTATGAGGAGCGCAAGCTGATCCGAGCTGCCATCCGCCGTGTACGGGCTCAGGAGATTGAGGCTGCCACCT
TGGCTGGGAGGTTGTACAGCGGGCGTCCCAACAGTGGCTCAAGAGAGGACAGCAAGGGGCTAGCGGCACACAGGC
TGGAACAGTGTGAGGTGCCAGAGCGAGAGGAACAGGAACAGCAGGCAGAGGTTTCAAAGCCAACCCCCACCCCTG
AAGGCACCAGCCAGGATGTGACCACAGTGACACTCCTGCTGCGAGCCCCACCTGGGAGCACATCCAGCTCACCTG
CCTCACCAGCAGTTACCCACCCCTGCCTCTCCTGAGCCTCCATTGGAGCCTGCCGAGGCCCAGTGCCTTACAG
CTGAGGTTCCAGGCAGCCCAGAGCCACCCCCAGCCCCACCAAGACCACCAGCCCTGAGCCTCAGGAGTCTCAA
CGCTCCCCAGCACTGAGGGCCAGGTGGTCAACAAGCTTCTGTCTGGCCCCAAAGAGACCCCTGCTGCCAGAGCC
CCACCAGAGGCCCTCTGACACCAAGAGAGCAGACGTGGCTGGACCCCGACCTGCCAACGCTCCCTGTGGTG
TCAGCCCCGCCAACCAGCCCAGAACCGAGAGTCCACCCCCCTTGCCAGCGGACCTTCCTCATTCAGCGGGCTG
GCTCTGTGCGGGATCGTGTCCACAAGTTACATCTGATTCTCCTATGGCTGCTAGGCTCCAGGATGGCACACCCC
AGGCTGCCCTAAGTCCCCTGACCCCGCAAGGCTCCTGGGCCCCCTCCCTCACCAGCACCACCCCTGCCTCCTCT
CCAGCGGCTCCTCCTCTCGGGGCCCCAGTGATACCTCCTCCCGGTTTCAGCAAGGAGCAACGAGGAGTAGCCCAGC
CCCTGGGCCAGCTTCGAAGCTGCCCCCAGGAGGAGGGCCCCAGGGGGCGGGGCTTGGCTGCTAGGCCCCCTTGAAA
ACAGAGCAGGGGGGCTGTGGCACGTTAGAGGAGCCTGGTGCCCCGCTGCCCCGTGGCCGTGGGCACTGCCGAGC
CAGGGGGCAGTATGAAGACCACATTCACCATCGAGATCAAGGACGGCCGTGGCCAGGCCTCCACAGGCCGGGTG
TGCTGCCCACAGGCAACCAGAGGGCAGAACTGACACTGGGGCTGCGGGCGCCCCGACCCCTACTCAGCACCAGTA
GTGGGGGCAAGAGCACCATCACCCGTGTCAACAGCCCTGGGACCCCTGGCTCGGCTGGGCAGTGTCACTCATGTCA
CCAGCTTCAGCCATGCCCCCCCCAGTAGCCGAGGAGGCTGCAGCATCAAGATGGAAGCAGAGCCAGCAGAGCCTC
TCGCTGCAGCAGTGGAAGCGGCCAATGGGGCTGAGCAGACCCGAGTGAACAAAGCACCAGAAGGGCGGAGCCCTC
TGAGCGCTGAGGAGCTGATGACTATTGAGGATGAAGGAGTCTTGACAAAGATGCTGGATCAGAGCACGGACTTTG
AAGAGCGGAAGCTCATCCGGGCTGCACTTCGTGAGCTCCGACAAAGGAAGAGAGACCAGCGGGACAAGGAGCGGG
AACGGCGGCTGCAGGAGGCACGGGGCCGGCCAGGGGAGGGGCGCGGCAACACAGCCACTGAGACCACCACGAGGC
ACAGCCAGCGGGCAGCTGATGGCTCTGCTGTGCACTGTTACCAAGACTGAGCGGCTCGTCCACTCCAATGATG
GCACACGGACGGCCCGCACCACCACAGTGGAGTCGAGTTTCGTGAGGCGCTCGGAGAATGGCAGTGGCAGCACCA
TGATGCAAACCAAGACCTTCTCCTCTTCTCCTCATCCAAGAAGATGGGCAGCATCTTCGACCGCGAGGACCAGG
CCAGCCCACGGGCCGGCAGCCTGGCGGGCTCGAGAAACGGCAGGCCGAGAAGAAGAAAGAGCTGATGAAGGCGC
AGAGTCTGCCCAAGACCTCAGCCTCCCAGGCGCGCAAGGCCATGATTGAGAAGCTGGAGAAGGAGGGCGCGGCCG
GCAGCCCTGGCGGACCCCGCGCAGCCGTGCAGCGATCCACCAGCTTCGGGGTCCCCAACGCCAACAGCATCAAGC
AGATGCTGCTGGACTGGTGTGAGCCAAGACTCGCGGCTACGAGCACGTGACATCCAGAAGTCTCCTCCAGCT
GGAGTGATGGGATGGCCTTCTGTGCCCTGGTGCACAAGTCTTCCCTGAGGCCTTCGACTATGGGCAGCTTAGCC
CTCAGAACCAGCGCCAGAACTTCGAGGTGGCCTTCTCATCTGCGGAGATGCTGGTGGACTGTGTGCCCTGGTGG
AGGTGGACGACATGATGATCATGGGCAAGAAGCCTGACCCCAAGTGTGTCTTACCTATGTGCAGTCGCTCTACA
ACCACCTGCGACGCCACGAAGTGCCTGCGCGGCAAGAATGTCTAGCCTGCCCGCCCGCATGGCCAGCCAGTGG
CAAGCTGCCGCCCCCACTCTCGGGCACCGTCTCCTGCCTGTGCGTCCGCCACCGCTGCCCTGTCTGTTGCGAC
ACCCTCCCCCCCACATACACAGCAGCGTTTTGATAAATTATTGGTTTTCAACG

6509/6881
FIGURE 6008

MADEALAGLDEGALRKLLLEV TADLAERRRIRSAIRELQRQELEREEEEALASKRFRAERQDNKENWLHSQQREAEQ
RAALARLAGQLESMNDVEELTALLRSAGEYEERKLIRAAIRRVRAQEIEAATLAGRLYSGRPNSGSRGSKGLAA
HRLEQCEVPEREEQEQQAEVSKPTPTPEGTSQDVTTVTL LLLRAPPGSTSSSPASPSSSPTPASPEPPLEPAEAQC
LTAEVPGSPEPPPSPPKTTSPPEQESPTLPSTEGQVVNKL LSGPKETPAAQSPTRGPSDTKRADVAGPRPCQRS
SVLSPRQPAQNRESTPLASGPSSFQRAGSVRDRVHKFTSDSPMAARLQDGPQAALSPLTPARLLGPSLTSTTPA
SSSSGSSSRGPSDTSSRFSKEQRGVAQPLAQLRSCQEEGPRGRGLAARPLENRAGGPVARSEEPGAPLPVAVGT
AEPGGSMKTTFTTIEIKDGRGQASTGRVLLPTGNQRAELTLGLRAPPTLLSTSSGGKSTITRVNSPGTLARLGSVT
HVTSFSHAPPSSRGGCSIKMEAEPAEPLAAAVEAANGAEQTRVNKAPEGRSPLSAEELMTIEDEGVLDKMLDQST
DFEERKLIRAAALRELQRKRQDQDKERERRLQEARGRPGEGRGNTATETTTTRHSQRAADGSVSTVTKTERLVHS
NDGTRTARTTTVESSFVRRSENGSGSTMQTTFSSSSSSKKMGSIFDREDQASPRAGSLAALEKRQAEKKKELM
KAQSLPKTSASQARKAMIEKLEKEGAAGSPGGPRAAVQRSTSFGVPNANSIKQMLLDWCRAKTRGYEHVDIQNFS
SSWSDGMAFCALVHNFPEAFDYQLSPQNRQNFVAFSSAEMLVDCVPLVEVDDMMIMGKKPDPKCVFTYVQS
LYNHLRRHELRLRGKNV

6510/6881
FIGURE 6009

CAGAATCCAGGGGACGGTTGCTGAGCGGGCTGGGACAGCGGGTCGCGGCACCTCCGGCCTGCGCGTGTCTAATC
CGTCTGTCGGGTCCCAGAAAGAGCTAAGCCGAGCCTGCGCCGGACGGGTGGGCTGGACTGAGAGAATTCTCTGAGC
TGGTGACAGGTGCCACAGGCACTGGGGATCTCACCAGAAAAGGAACCGACGGAGCTAGGGGCCAGCGAGATGGCGG
ACGAGGCCTTAGCTGGGCTGGATGAGGGAGCCCTTCGGAAGCTGCTGGAGGTCACAGCAGATCTGGCAGAGCGGC
GGCGCATCCGCTCAGCCATCCGGGAAGTGCAGCGGCAGGAGCTGGAGCGCGAGGAGGAGGCCCTGGCATCCAAGC
GTTTCCGTGCCGAGCGGCAGGACAACAAGGAGAACTGGCTGCACTCTCAGCAGCGGGAAGCTGAGCAGCGGGCTG
CCCTGGCACGGCTGGCAGGGCAGCTGGAGTCCATGAACGATGTGGAGGAATTGACTGCACTGTTGCGAAGCGCTG
GTGAGTATGAGGAGCGCAAGCTGATCCGAGCTGCCATCCGCCGTGTACGGGCTCAGGAGATTGAGGCTGCCACCT
TGGCTGGGAGGTTGTACAGCGGGCGTCCCAACAGTGGCTCAAGAGAGGACAGCAAGGGGCTAGCGGCACACAGGC
TGGAACAGTGTGAGGTGCCAGAGCGAGAGGAACAGGAACAGCAGGCAGAGGTTTCAAAGCCAACCCCCACCCCTG
AAGGCACCAGCCAGGATGTGACCACAGTGACACTCCTGCTGCGAGCCCCACCTGGGAGCACATCCAGCTCACCTG
CCTCACCCAGCAGTTACCCACCCCTGCCTCTCCTGAGCCTCCATTGGAGCCTGCCGAGGCCCAGTGCCTTACAG
CTGAGGTTCCAGGCAGCCCAGAGCCACCCCCAGCCACCCAAGACCACCAGCCCTGAGCCTCAGGAGTCTCCAA
CGCTCCCCAGCACTGAGGGCCAGGTGGTCAACAAGCTTCTGTCTGGCCCCAAAGAGACCCCTGCTGCCAGAGCC
CCACCAGAGGCCCTCTGACACCAAGAGAGCAGACGTGGCTGGACCCCGACCTGCCAACGCTCCCTGTGGGTGC
TCAGCCCCCGCCAACCCAGCCAGAACCGAGAGTCCACCCCCCTTGCCAGCGGACCTTCCTCATTCCAGCGGGCTG
GCTCTGTGCGGGATCGTGTCCACAAGTTCACATCTGATTCTCCTATGGCTGCTAGGCTCCAGGATGGCACACCCC
AGGCTGCCCTAAGTCCCCTGACCCCCGCAAGGCTCCTGGGCCCCCTCCCTCACCAGCACCACCCCTGCCTCCTCCT
CCAGCGGCTCCTCCTCTCGGGGCCCCAGTGATACCTCCTCCCGGTTTCAGCAAGGAGCAACGAGGAGTAGCCCAGC
CCCTGGCCCCAGCTTCGAAGCTGCCCCCAGGAGGAGGGCCCCAGGGGGCGGGGCTTGGCTGCTAGGCCCCCTTGAA
ACAGAGCAGGGGGGCTGTGGCACGTTTCAGAGGAGCCTGGTGCCCCGCTGCCCGTGGCCGTCGGCACTGCCGAGC
CAGGGGGCAGTATGAAGACCACATTACCATCGAGATCAAGGACGGCCGTGGCCAGGCCTCCACAGGCCGGGTGC
TGCTGCCACAGGCAACCAGAGGGCAGAACTGACACTGGGGCTGCGGGCGCCCCGACCCTACTCAGCACCAGTA
GTGGGGGCAAGAGCACCATCACCCGTGTCAACAGCCCTGGGACCTGGCTCGGCTGGGCAGTGTCACTCATGTCA
CCAGCTTCAGCCATGCCCCCCCCAGTAGCCGAGGAGGCTGCAGCATCAAGATGGAAGCAGAGCCAGCAGAGCCTC
TCGCTGCAGCAGTGGAAGCGGCCAATGGGGCTGAGCAGACCCGAGTGAACAAAGCACCAGAAGGGCGGAGCCCTC
TGAGCGCTGAGGAGCTGATGACTATTGAGGATGAAGGAGTCTTGACAAAGATGCTGGATCAGAGCACGGACTTTG
AAGAGCGGAAGCTCATCCGGGCTGCACTTCGTGAGCTCCGACAAAGGAAGAGAGACCAGCGGGACAAGGAGCGGG
AACGGCGGCTGCAGGAGGCACGGGGCCGGCCAGGGGAGGGGCGCGGCAACACAGCCACTGAGACCACCACGAGGC
ACAGCCAGCGGGCAGCTGATGGCTCTGCTGTGTCAGCACTGTTACCAAGACTGAGCGGCTCGTCCACTCCAATGATG
GCACACGGACGGCCCCGACCAACACAGTGGAGTCGAGTTTCGTGAGGCGCTCGGAGAATGGCAGTGGCAGCACCA
TGATGCAAACCAAGACCTTCTCCTCTTCTCCTCATCCAAGAAGATGGGCAGCATCTTCGACCGCGAGGACCAGG
CCAGCCCACGGGCCGGCAGCCTGGCGGCGCTCGAGAAACGGCAGGCCGAGAAGAAGAAAGAGCTGATGAAGGCGC
AGAGTCTGCCAAAGACCTCAGCCTCCCAGGCGCGCAAGGCCATGATTGAGAAGCTGGAGAAGGAGGGCGCGGCCG
GCAGCCCTGGCGGACCCCGCGCAGCCGTGCAGCGATCCACCAGCTTCGGGGTCCCCAACGCCAACAGCATCAAGC
AGATGCTGCTGGACTGGTGTGCGACCAAGACTCGCGGTACGAGCACGTGCACATCCAGAACTTCTCCTCCAGCT
GGAGTGATGGGATGGCCTTCTGTGCCCTGGTGCACAACTTCTTCCCTGAGGCCTTCGACTATGGGCAGCTTAGCC
CTCAGAACCAGCGCCAGAACTTCGAGGTGGCCTTCTCATCTGCGGAGACCCATGCGGACTGCCCGCAGCTCCTGG
ATACAGAGGACATGGTGC GGCTTCGAGAGCCTGACTGGAAGTGCGTGTACACGTACATCCAGGAATTCTACCGCT
GTCTGGTCCAGAAGGGGCTGGTAAAAACAAAAAGTCTTAAACCCCTGCTCGGGGCCCCACGGATGCTGGTGGACT
GTGTGCCCTGGTGGAGGTGGACGACATGATGATCATGGGCAAGAAGCCTGACCCCAAGTGTGTCTTACCTATG
TGCAGTCGCTCTACAACCACCTGCGACGCCACGAACTGCGCCTGCGCGGCAAGAATGTCTAGCCTGCCCGCCCGC
ATGGCCAGCCAGTGGCAAGCTGCCGCCCCACTCTCCGGGCACCGTCTCCTGCCTGTGCGTCCGCCCCACCGCTGC
CCTGTCTGTTGCGACACCCTCCCCCCCCACATACACACGCAGCGTTTTGATAAATTATTGGTTTTCAACG

6511/6881
FIGURE 6010

MADEALAGLDEGALRKLLLEVTAADLAERRRIRSAIRELQROELEREEEEALASKRFRAERQDNKENWLHSQQREAEQ
RAALARLAGQLESMNDVEELTALLRSAGEYEERKLIRAAIRRVRAQEIEAATLAGRLYSGRPNSGSREDSKGLAA
HRLEQCEVPEREEQEQAEVSKPTPTPEGTSQDVTTVTL LLRAPPGSTSSSPASPSSSPTPASPEPPLEPAEQC
LTAEVPGSPPEPPSPPKTTSPEPQESPTLPSTEGQVVNKL LSGPKETPAAQSPTRGPSDTKRADVAGPRPCQ RSL
SVLSPRQPAQNRESTPLASGPSSFQ RAGSVRDRVHKFTSDSPMAARLQD GTPQAALSPLTPARLLGPSLTSTTPA
SSSSGSSSRGPSDTSSRFSKEQRGVAQPLAQLRSCPQEEGPRGRGLAARPLENRAGGPVARSEEPGAPLPVAVGT
AEPGGSMKTTFTTIEIKDGRGQASTGRVLLPTGNQRAELTLGLRAPPTLLSTSSGGKSTITRVNSPGTLARLGSVT
HVTFSF SHAPPSSRGGCSIKMEAEP AEPLAAVEAANGAEQTRVNKAPEGRSPLSAEELMTIEDEGVLDKMLDQST
DFEERKLIRAA LREL RQRKRDQ RDKERERRLQEARGRPGEGRGNTATETTTRHSQRAADGSAVSTVTKTERLVHS
NDGTRTARTTTVESSFVRRSENGSGSTMOTKTFSSSSSSKKMGSIFDREDQASPRAGSLAALEKRQAEKKKELM
KAQSLPKTSASQARKAMIEKLEKEGAAGSPGGPRAAVQRSTSF GVPNANSIKQMLLDWCRAKTRGYEHVDIQNFS
SSWSDGMAFCALVHNFFPEAFDYQLSPQNRRQNFEVAFSSAETHADCPQLLDTEDMVRLREP DWKCVYTYIQEF
YRCLVQKGLVKTKKS

6512/6881
FIGURE 6011

GCGGTGGCAGTTTGCCGCGGGTGTGTGAAGGGAGACAGTGTGGAGGCCACAGGGTACTCGCCACGATGAGCAGCA
CCTTAGCTAAGATCGCGGAGATAGAAGCAGAGATGGCTCGGACTCAAAAGAACAAGGCCACAGCACACCACTTAG
GGCTGCTTAAGGCTCGTCTTGCTAAGCTTCGTGAGAACTCATTACTCCAAAGGGTGGTGGTGGTGGAGGTCCAG
GAGAAGGTTTTGATGTGGCCAAGACAGGTGATGCTCGAATTGGATTGTGTTGGTTTTCCATCTGTGGGGAAGTCAA
CACTGCTTAGTAACCTGGCAGGGGTATATTCTGAGGTGGCAGCCTATGAATTCACTACTCTGACCACTGTGCCTG
GTGTCATCAGATACAAAGGTGCCAAGATCCAGCTCCTGGATCTCCCAGGTATCATTGAAGGTGCCAAGGATGGGA
AAGGTAGAGGTCGTCAAGTCATTGCAGTGGCCGAACCTGTAACCTTGATCTTGATTGTTCTGGATGTCCTGAAAC
CTTTGGGACATAAGAAGATAATTGAAAATGAGCTGGAAGGCTTTGGCATTGCTTGAACAGCAAACCCCCCAACA
TTGGCTTTAAGAAGAAGGACAAGGGAGGCATTAATCTCACAGCCACTTGCCCCAGAGTGAGCTGGATGCTGAAA
CTGTGAAGAGCATTCTGGCTGAATACAAGATTCATAATGCCGATGTGACTCTACGTAGTGATGCTACAGCTGATG
ACCTCATTGATGTGGTGGGAAGGAAACAGAGTTTATATCCCCTGTATCTATGTGTTAAATAAGATTGACCAAATCT
CCATTGAGGAATTGGATATCATCTATAAGGTGCCTCACTGTGTACCCATCTCTGCCCCATCACCGCTGGAATTTTG
ATGACCTATTGAAAAGATCTGGGACTATCTGAAACTAGTGAGAATTTACACCAAACCCAAAGGCCAGTTACCAG
ATTACACATCCCCAGTGGTGCTTCCTTACTCCAGGACCACAGTGGAGGATTTCTGCATGAAGATTCACAAAAATC
TTATCAAAGAATTTAAATATGCTCTGGTCTGGGTCTCTCTGTGAAACACAATCCTCAGAAAGTGGGTAAAGACC
ATACGTTGGAGGATGAGGATGTCATTCAAATTGTGAAGAAGTGAACCTTTCCCTTTTCCCATCTGCCGGACGAA
CCACAACAGCGTTCCCCATGATCAAGCACCCCTACCCAGTTCTTTCTGGTTTTGGCAGTCACTGGATCAGGATCC
AGGGGAGGGAGATGGAGGCACCCAACTGGAACCTTCATTTGTCTTACCTTGGTGTACCTTGTATGTCGAACCTGC
ATAAAAGATCTGGTAGGCTGGTCAGCTACATGC

6513/6881
FIGURE 6012

MSSTLAKIAEIEAEMARTQKNKATAHHLGLLKARLAKLRRELITPKGGGGGPGEGFDVAKTGDARIGFVGFPSV
GKSTLLSNLAGVYSEVAAYEFTTLTTPGVIRYKGAQIQLLDLPGIIEGAKDGKGRGRQVIAVARTCNLILIVLD
VLKPLGHKKIIEENELEGFGIRLNSKPPNIGFKKKDKGGINLTATCPQSELD AETVKSILA EYKIH NADVTLRSDA
TADDLIDVVEGNRVYIPCIYVLNKIDQISIEELDIYKVP HCVPI SAHHRWNFDDLLEKIWDY LKLVRIYTKPKG
QLPDYTSPVVL PYSRTTVEDFCMKIHKNLIKEFKYALVWGLSVKHNPQKV GKDHTLEDEDVIQIVKK

6514/6881
FIGURE 6013

GTGAGCGGAGCCGGCGCCCCGGCCCTGCCGGGAGCCCCAGGTGACTTCTCAGGGAGGCGCCCCACCCTGCCCCGCT
CAGAGGGCCAGTGCCGGGTGGGGGTGCCCTTCTAGGGCCTTCGGTCGCAGGTGGGCTCTCCCAGCTGTGACGACG
CGGCCCCGGCCTGAGGAGCCCCGCGGACAAGGTTGAGCGAGTCGTGGGCTTTTTTTCCGTCCCCACGTGGGCACG
GCCCGGGCTGCGTGAGCTCACTTCCTCCACATCTTATCTCCTGCCGGGCGCGGGCGCTTCCCATCAGACAGCAGG
AGCCAGTTCTCAGGGTCCTTGGCTGAACACACAAGCTGCAAAGCTACATATACTCCGGCAGAGCTGGCTGCGGGC
TGCAGACTGCAGGGCCGGTCACTCCGCGCAAGTTTGGGTTCTGTGTTTAGAACTGCCACCTAAGCCCCTCTTATT
TCATCTTTCCTGTGGTGAAACCCCTGCCCCACCGGAGTGTGAGGTTGACTTTTTGGAAAGAGAGCCCTGACCC
TCTATTCTGCACCCTGTGAGCCACCGAGACTGAACCAAACCCAGGAAGCGGCGCCACCAACCAGCCTCGCAGAGG
CAGAGGCCCTGGAGCAGTGACAGCACAGGAGATCTGCTGGCTCGGGGGAAGGGGA

6515/6881
FIGURE 6014

CTCTTTTACCAAGGACCCGCCAACATGTGCCGCGTTTGCACCAAAACCGTGAAGAAGGCGGCCCGGGTCATCATA
GAAAAGTACTACACACGCCTGGGCAACGACTTCCACACGAACAAGCGCGTGTGCAAGGAGATCGCCATTATCCCC
AGCAAGAAGCTCCGCAACAAGATAGCAGGCTATGTCACGCATCTGATGAAATGGATTCAGAGAGGCCCCAGTAAGA
GGTATCTCCATCAAGCTGCAGGAGGAGGAGAGAGAAAAGGAGAGACAATTATGTTTCCTGAGGTCTCAGCCTTGGAT
CAGGAGATAATTGAAGTAGATCCTGACACTAAGGAAATGCTGAAGCTTTTGGACTTCGGCAGTCTGTCCAACCTG
CAGGTCACTCAGCCTACAGTTGGGATGAACTTCAAAATGCCTCGGGGACCTGTTTGAATTTTTTCTGCAGTGCTG
TATTATTTTCAATAAATCTGGCACAACAGC

6516/6881
FIGURE 6015

GCTCTGAGAAGCCGGACTACGCGGCAGCGGCTCTTCAAAGCGGAGCCGGGAGTTTTTGCTACAGTTTTTCGCCACC
ATGAGTCGCAGCTATAATGATGAGCTGCAGTTCTTGGAGAAGATCAATAAAAACTGCTGGAGGATCAAGAAGGGC
TTCGTGCCCCAACATGCAGGTTGAAGGTGTTTTCTATGTGAATGATGCTCTGGAGAAATTGATGTTTGAGGAATTA
AGGAATGCCTGTGCGAGGTGGTGGTGTGGTGGCTTCCTGCCAGCCATGAAACAGATTGGCAATGTGGCAGCCCTG
CCTGGAATTGTTTCATCGATCTATTGGGCTTCCTGATGTCCATTGAGGATATGGGTTTGCTATTGGGAACATGGCA
GCCTTTGATATGAATGACCCTGAAGCAGTAGTATCCCCAGGTGGTGTGCGGGTTTGACATCAACTGTGGTGTCCGC
TTGCTAAGAACCAATTTAGATGAAAGTGATGTCCAGCCTGTGAAGGAGCAACTTGCCCCAAGCTATGTTTGACCAC
ATTCTGTTGGGGTGGGGTCAAAAGGTGTCATCCCAATGAATGCCAAAGACTTGAGGAGGCCTTGAGATGGGG
GTGGACTGGTCCTTAAGAGAAGGGTATGCCTGGGCTGAAGACAAGGAGCACTGCGAGGAGTACGGAAGGATGCTG
CAGGCTGACCCCAATAAAGTTTCTGCAAGGGCGAAGAAAAGAGGCCTTCCTCAGTTGGGGACCTGGGAGCAGGC
AACCATTATGCAGAAATCCAGGTTGTGGATGAGATTTTCAATGAGTATGCTGCTAAAAAATGGGCATCGACCAT
AAGGGACAGGTGTGTGTGATGATCCACAGTGAAGCAGAGGCTTGGGCCACCAAGTAGCCACAGATGCGCTGGTA
GCTATGGAGAAGGCCATGAAGAGAGACAAGATTATAGTCAATGATCGGCAGTTGGCTTGTGCTCGAATCGCTTCC
CCAGAGGGTCAAGACTATCTGAAGGGAATGGCAGCTGCTGGGAACATATGCCTGGGTCAACCGCTCTTCCATGACC
TTCTTAACCCGTCAGGCTTTTCGCCAAGGTCTTCAACACAACCCCTGATGACTTGGACCTACATGTGATCTATGAT
GTTTCTCACAAACATTGCCAAAGTGGAGCAGCATGTGGTGGACGGAAGGAACGGACACTGTTAGTACACAGGAAG
GGATCCACCCGCGCTTTCCCTCCTCACCATCCCCTCATTGCTGTTGATTACCAACTCACTGGACAGCCAGTGCTC
ATTGGTGGCACCATGGGAACCTGTAGTTATGTTCTTACTGGCACTGAACAGGGCATGACTGAGACCTTTGGAACA
ACCTGTCATGGAGCGGGCCGTGCATTGTCCCGAGCAAAATCTCGACGTAATTTAGATTTCCAGGATGTCTTAGAC
AAATTGGCAGATATGGGAATTGCGATCCGTGTTGCCTCACCCAACTGGTTATGGAAGAGGCTCCTGAGTCTTAT
AAGAATGTGACAGATGTGGTAAATACCTGCCATGATGCTGGAATCAGCAAGAAAGCCATTAAACTGAGACCAATT
GCTGTGATCAAAGGATTAGAACCTTGGACAGCAGGGCTGCCTGACACCACCAACCCTCTCTGAAGTGGAAAGTGGAC
TGACATGCTCTTCTGACATCAGACTCAAGGCGGGACAAGTTGCAAAGTGTGCAGCTGTAAGTGTCTACGCCAAAA
TGGCTGATGGGGAGGCTGCTGCTTTTCAAGGGCCCGTGCTTGTAATAACCTTCCAGGAAGAGGCACATTGCCCA
CCTTTGGAAGGGAGGAATATGCCTTCTCCTTGGTTGTTCCACAGAGTTTTAGGAAAATCTGTTAGGGATGGGTA
GATGTCAAACCTGCCTTACGCAGTCATACTGATCTTTAGCCATCAGATTGATCTTCTTACACCAAGCTCTGTTTA
CATTCCGAGAGGTGTCATGAAGAAAGTTCTGTTCAATAAGGTTTTGGAATGTTTC

6517/6881
FIGURE 6016

MSRSYNDELQFLEKINKNCWRIKKGFVPMQVEGVFYVNDALEKLMFEELRNACRGGGVGGFLPAMKQIGNVAAL
PGIVHRSIGLPDVHSGYGFAIGNMAAFDMNDPEAVVSPGGVGFDINCGVRLLRNLDES DVQPVKEQLAQAMFDH
IPVGVGSKGVIPMNAKDLEEALEMVDWSLREGYAWAEDKEHCEEYGRMLQADPNKVSARAKKRGLPQLGTLGAG
NHYAEIQVVDEIFNEYAAKKMGIDHKGQVCVMIHSGSRGLGHQVATDALVAMEKAMKRDKIIVNDRQLACARIAS
PEGQDYLGMAAAGNYAWVNRSSMTFLTRQAFKVFNTTPDDLDLHVIYDVSHNIAKVEQHVVVDGKERTLLVHRK
GSTRAFPPHHPLIAVDYQLTGQPVLIIGGTMGTC SYVLTGTEQGMTETFGTTCHGAGRALSRAKSRRLDFQDVLD
KLADMGIAIRVASPKLVMEEPESYKNVTDVVNTCHDAGISKKAIKLRPIAVIKG

6518/6881
FIGURE 6017

CCCCGAGAGGCCCGGTTCTTTAGGCCGCCTGCCCCGCTCCAGCTCTCGGGGTCGGCTCTAGGAGGCGCCCTCAG
GAGAGGGGCGGGCGCTCTATTCCAGAGACCGAGTGGCAGGGCGGCCACTGTGGCGGGGCTCTTTCCCCGTTTCGC
CTCAGCTACCCCTCAGCTCCGGTAGTCGCCAGTCCGGGGTCGTGCGCGTTTGGGGCGGGAGCTGCTCGGCCCCGC
CGCCGTCCCCGTGCGCGCTTCCGGGTCCAGGCCCTCGGGCCGCTGCCGCCGTCATGAGGCTGCGGGTGC GGCT
TCTGAAGCGGACCTGGCCGCTGGAGGTGCCCCGAGACGGAGCCGACGCTGGGGCATTGCGCTCGCACCTGAGGCA
GTCCCTGCTGTGCACCTGGGGGTACAGTTCTAATACCCGATTTACAATTACATTGAAGTACAAGGATCCCCCTCAC
TGGAGATGAAGAGACCTTGGCTTCATATGGGATTGTTTCTGGGGACTTGATATGTTTGATTCTTCAAGATGACAT
TCCAGCGCCTAATATACCTTCATCCACAGATTGAGAGCATTCTTCACTCCAGAATAATGAGCAACCCCTCTTTGGC
CACCAGCTCCAATCAGACTAGCATACAGGATGAACAACCAAGTGATTTCATTCCAAGGACAGGCAGCCCAGTCTGG
TGTTTGGAATGACGACAGTATGTTAGGGCCTAGTCAAAATTTTGAAGCTGAGTCAATTCAAGATAATGCGCATAT
GGCAGAGGGGCACAGGTTTCTATCCCTCAGAACCCATGCTCTGTAGTGAATCGGTGGAAGGGCAAGTGCCACATTC
ATTAGAGACCTTGTATCAATCAGCTGACTGTTCTGATGCCAATGATGCCCTGATAGTGTTGATACATCTTCTCAT
GTTGGAGTCAGGTTACATACCTCAGGGCACCGAAGCCAAAGCACTGTCCATGCCGGAGAAGTGGAAGTTGAGCGG
GGTGATATAAGCTGCAGTACATGCATCCTCTCTGCGAGGGCAGCTCCGCTACTCTCACCTGTGTGCCTTTGGGAAA
CCTGATTGTTGTAAATGCTACACTAAAAATCAACAATGAGATTAGAAGTGTAAGAGATTGCAGCTGCTACCAGA
ATCTTTTATTTGCAAAGAGAACTAGGGGAAAATGTAGCCAACATATACAAAGATCTTCAGAACTCTCTCGCCT
CTTTAAAGACCAGCTGGTGTATCCTCTTTTGGCTTTTACCCGACAAGCACTGAACCTACCAGATGTATTTGGGTT
GGTCGTCTCTCCATTGGAAGTGAAGTACGGATCTTCCGACTTCTGGATGTTTCGTTCCGTCTTGTCTTTGTCTGC
GGTTTGTCTGACCTCTTTACTGCTTCAAATGACCCACTCCTGTGGAGGTTTTTATATCTGCGTGATTTTCGAGA
CAATACTGTCAGAGTTCAAGACACAGATTGGAAAGAACTGTACAGGAAGAGGCACATACAAAGAAAAGAATCCCC
GAAAGGGCGGTTTGTGATGCTCCTGCCATCGTCAACTCACACCATTCCATTCTATCCCAACCCCTTGCACCCTAG
GCCATTTCTTAGCTCCCGCCTTCCCTCCAGGAATTATCGGGGGTGAATATGACCAAAGACCAACACTTCCCTATGT
TGGAGACCCAATCAGTTCACCTCATTCCCTGGTCTCGGGGAGACGCCAGCCAGTTTCCCTCCACTGAGACCACGCTT
TGATCCAGTTGGCCCACTTCCAGGACCTAACCCCATCTTGCCAGGGCGAGGCGGCCCAATGACAGATTTCCCTT
TAGACCCAGCAGGGGTGCGCCAACCTGATGGCCGGCTGTCAATTCATGTGATTGATTGTAATTTCAATTTCTGGAGC
TCCATTTGTTTTTGTCTTAACTACAGATGTCAACTCCTTGGGGTGCTGATCTCGAGTGTTATTTTCTGATTGT
GGTGTTGAGAGTTGCACTCCCAGAAACCTTTTAAAGAGATACATTTATAGCCCTAGGGGTGGTATGACCCAAAGGT
TCCTCTGTGACAAGGTTGGCCTTGGGAATAGTTGGCTGCCAATCTCCCTGCTCTTGGTTCTCCTCTAGATTGAAG
TTTGTCTTCTGATGCTGTTCTTACCAGATTAAAAAAAAGTGTAATTTAAAAAAAAGGTTTAAAAAAAAGGTTT

6519/6881
FIGURE 6018

MRLRVRLKRTWPLEVPETEPTLGHLRSHLRQSLLCTWGYSSNTRFTITLNYKDPLTGDEETLASYGIVSGDLIC
LILQDDIPAPNIPSSDSEHSSLQNEQPSLATSSNQTISIQDEQPSDSFQQAQSGVWDDSM LGPSQNFEAES
IQDNAHMAEGTGFYPSEPMLCSESVEGQVPHSLETLYQSADCS DANDALIVLIHLLMLES GYIPQGTEAKALSMP
EKWKLSGVYKLQYMHPLCEGSSATLTCVPLGNLIVVNATLKINNEIRSVKRLQLLPESFICKEKLGENVANIYKD
LQKLSRLEFKDQLVYPLLAFTROALNLPDVFGLVVLPLELKLRIFRLLDVRSVLSLSAVCRDLFTASNDPLLWRFL
YLRDFRDNTVRVQD TDWKELYRKRHIQRKESPKGRFVMLLPSSSTHTIPFY PNPLHPRPFPSSRLPPGIIGGEYDQ
RPTLPYVGDP ISSLIPGPGETPSQFPPLRPRFDPVGPLPGPNPILPGRGGPNDRFPFRPSRGRPTDGRLSFM

6520/6881
FIGURE 6019A

CTTGCCCCAGAGCTGATCCTTGTCTTTGTCCACTTCTCAGCGAGGATGGCACTTCAGGGAGCCCTTCCCTTACTA
TCGCAGAGAGAGCAGGCCCTCCCCAGTCATGTCCAACCCAGAACTCTGTTTTGTTTTCTTCATAGCCCTAGCATC
ACAGAAAATCACCTGTGCATTTCATGGATGTCCACGGGGGCAAGGGCTTTGTGTTGCTTAACCCAGCATCCTGAA
CCGTGTTTTGTTGAATGAATACAGAACCCCGTTTTGCTCTGGGAGAGCACAGAAAACAGTCTTCTATCATATATCAT
AGCCAGCTGCAAACAGCAGATGGCTTCCCATATCCCAGAGAGTAAGAACCAGAGAGAGAGAGAAAGAGAGAGAGT
TTGGGTCTTTCTCCTCTGTGCCTGCTCTCTCCAGAGAACTGGAGGGGTAGCAGTTAGCATTCCCCCGCTGGTTC
CACCAAGCACAGTCAAGGTCTCTAGGACATGGCCACCCCTCACCTGTGGAAGCGGTCTGCTGGGGTGGGTGGGT
GTTAGTTGGTTCTGGTTTGGGTGAGAGACACCCAGTGGCCCAGGTGGGCGTGGGGCCAGGGCGCAGACGAGAAGG
GGCACGAGGGGCTCCGCTCCGAGGACCCAGCGCAAGCACCGGTCCCGGGCGCGCCCCAGCCACCCACTCGCGTG
CCCACGGCGGGCATTATTCCCTATAAGGATCTGAACGATCCGGGGGGCGCCCCGCCCGTTACCCCTTGCCCCGG
CCCCGCCCCCTTTTTGGAGGGCCGATGAGGTAATGCGGCTCTGCCATTGGTCTGAGGGGGCGGGCCCCAACAGCC
CGAGGCGGGGTCCCCGGGGGCCAGCGCTATATCACTCGGCCGCCAGGCAGCGGCGCAGAGCGGGCAGCAGGCA
GGCGCGGGGCGCTCAGACGGCTTCTCCTCCTCCTCTTGCTCCTCCAGCTCCTGCTCCTTCGCCGGGAGGCGGCC
GCCGAGTCTGCGCCAGCGCCGAGGCAGCCTCGCTGCGCCCCATCCCGTCCCGCCGGGCACCTCGGAGGGCAGCGC
GCCGAGGCCAAGGTTGCCCGCACGGCCCCGGCGGGCGAGCGAGCTCGGGCTGCAGCAGCCCCGCCGGCGGGCGCG
CACGGCAACTTTGGAGAGGCGAGCAGCAGCCCCGGCAGCGGCGGCAGCAGCGGCAATGACCCCTTGGCTCGGGCT
CATCGTGCTCCTGGGCAGCTGGAGCCTGGGGGACTGGGGCGCCGAGGCGTGACATGCTCGCCCAGCCACCCCA
GGACGCCTTCTGCAACTCCGACATCGTGATCCGGGCCAAGGTGGTGGGGAAGAAGCTGGTAAAGGAGGGGCCCTT
CGGCACGCTGGTCTACACCATCAAGCAGATGAAGATGTACCGAGGCTTCACCAAGATGCCCATGTGCAGTACAT
CCATACGGAAGCTTCCGAGAGTCTCTGTGGCCTTAAGCTGGAGGTCAACAAGTACCAGTACCTGCTGACAGGTGCG
CGTCTATGATGGCAAGATGTACACGGGGCTGTGCAACTTCGTGGAGAGGTGGGACCAGCTCACCTCTCCCAGCG
CAAGGGGCTGAACTATCGGTATCACCTGGGTTGTAAGTGAAGATCAAGTCTGCTACTACCTGCCTTGCTTTGT
GACTTCCAAGAACGAGTGTCTCTGGACCGACATGCTCTCCAATTTTCGGTTACCCCTGGCTACCAGTCCAAACACTA
CGCTGCAATCCGGCAGAAAGGGCGGCTACTGCAGCTGGTACCGAGGATGGGCCCCCCCCGGATAAAAGCATCATCAA
TGCCACAGACCCCTGAGCGCCAGACCCTGCCCCACCTCACTTCCCTCCCTTCCCGCTGAGCTTCCCTTGGACACT
AACTCTTCCCAGATGATGACAATGAAATAGTGCCTGTTTTCTTGCAAAATTTAGCACTTGGAAACATTTAAAGAAA
GGTCTATGCTGTATATGGGGTTTATTGGGAAGTATCCTCCTGGCCCCACCCTGCCCCCTTCTTTTTTGGTTTTTGAC
ATCATTCAATTTCCACCTGGGAATTTCTGGTGCCATGCCAGAAAGAATGAGGAACCTGTATTCCCTCTTCTTCGTGA
TAATATAATCTCTATTTTTTTTAGGAAAACAAAATGAAAACTACTCCATTTGAGGATTGTAATTTCCACCCCTC
TTGCTTCTTCCCCACCTCACCATCTCCCAGACCCCTCTTCCCTTTGCCCTTCTCCTCCAATACATAAAGGACACAG
ACAAGGAACCTTGCTGAAAGGCCAACCATTTTCAGGATCAGTCAAAGGCAGCAAGCAGATAGACTCAAGGTGTGTGA
AAGATGTTATACACCAGGAGCTGCCACTGCATGTCCCAACCAGACTGTGTCTGTCTGTCTGTCTGCATGTAAGAGTG
AGGGAGGGAAGGAAGGAAGTACAAGAGAGTCCGAGATGATGCAGCACACACACAATTCCCCAGCCCAGTGATGCT
TGTGTTGACCAGATGTTCTGAGTCTGGAGCAAGCACCCAGGCCAGAATAACAGAGCTTTCTTAGTTGGTGAAGA
CTTAAACATCTGCCCTGAGGTGAGGAGCAATTTGCCTGCCTTGTAACAAAAGCTCAGGTGAAAGACTGAGATGAAT
GTCTTTCCTCTCCCTGCCTCCACAGACTTCTCCTGGAAAACGCTTTGGTAGATTTGGCCAGGAGCTTTCTTT
TATGTAATTTGGATAAATACACACACCATACTATCCACAGATATAGCCAAGTAGATTTGGGTAGAGGATACTA
TTTCCAGAATAGTGTTTAGCTACCTAGGGGGATATGTTTGATACACATTTGCATATACCCACATGGGGACATA
AGCTAATTTTTTACAGGACACAGAATTCTGTTCAATGCTGTTAAATATGCCAATAGTTTAACTCTCTTCTATTTT
GTTGTCGTGTGCTGTTTGAAGAAAATCATGACATTCCAAGTTGACATTTTTTTTTTTCATTTTAAATTAATTTGAA
ATTCTGAACACCGTCAGCACCTCTCTTCCCTATCATGGGTCTCTGACCCCTGTCCGTCTCCTTGCTCCCTGCTT
CATGTTTGGGGGCCCTTTCTTTAACTGCCTTCCCTGGCTTAGCTCAGATGGCAGATGAGAGTGTAGTCAAGGGCCTG
GGCACAGGAGGGAGAGCTGCAGAGTGTCTGCCTGCCTTGGCTGGAGGGACACCTCTCCTGGGTGTGGAGACAGC
TTGGTTCCCTTTCCCTAGCTCCCTGGTGGGTGAATGCCACCTCCTGAGATCCTCACCTCTTGGGAATTAATTTGT
TGGTCACTGGGGAAAGCCTGAGTTTGCAACCAGTTGTAGGGTTTCTGTTGTGTTTTTTTTTTTTTTTGAATA
AAACTATAATATAAATTTCTCTATTAAATAAAATTATTTTAAAGTTTTAGTGTCAAAGTGAGATGCTGAGAGTAG
GTGATAATGTATATTTTACAGAGTGGGGGTTGGCAGGATGGTGACATTGAACATGATTGCTCTCTGTCTCTTTTT
TCAGCTTATGGGTATTTATCTTCTATTAGTATTTGTATCTTCAGTTCAATCCACTTTAGGAAACAGAGCTGCCAA

6521/6881
FIGURE 6019B

TTGAAACAGAAGAAGAAAAAAGCAGCAGACAACACACTGTAGAGTCTTGACACACACAAGTGCCAG
GCAAGGTGCTTGGCAGAACCGCAGAGTGGGAAGAGAGTACCGGCATCGGGTTTCCTTGGGATCAATTTATTACC
GTGTACCTTTCCCATTTGTGGTCATGCCATTTGGCAGGGGGAGAATGGGAGGCTTGGCCTTCTTTGTGAGGCAGTG
TGAGCAGAAGCTGATGCCAGCATGTCACTGGTTTTGAAGGGATGAGCCCAGACTTGATGTTTTGGGATTGTCCTT
ATTTTAACCTCAAGGTCTCGCATGGTGGGGCCCCGACCAACCTACACAAGTTCCTCCCAAGTGACATCAG
TGTCTTCTCTGTGAGGCATCTGGCCATTCGCACTCCCTGGTGTGGTCAGCCTCTCTCACACAAGGAGGAAGTTGG
GTGAAGGCTGAGTGTGAGGCACCTGAAGTTTCCCTGCGGAGTCGATAAATTAGCAGAACCACATCCCCATCTGTT
AGGCCTTGGTGAGGAGGCCCTGGGCAAAGAAGGGTCTTTCGCAAAGCGATGTCAGAGGGCGGTTTTGAGCTTCT
ATAAGCTATAGCTTTGTTTATTTACCCGTTCACTTACTGTATAATTTAAATCATTTATGTAGCTGAGACACTT
CTGTATTTCAATCATATCATGAACATTTTATTTTGCTAAATCTTGTGTCTGTGTAGGCTGTAATATGTGTACAT
TGTGTTTAAAGAGAAAAATGAAACCCACATGCCGCCATTTTCCTGAATCAAATTCCTGCAGTGGAATGGAGAGGAAA
ATACTTCTAGGCAAGCAGCTAGACTGGTGAATTGGGGGAAATAGAAGGAAGTAGTAAGTGCAGACTCCTCCAGCCT
CCTCCCTATTGGAATCCCAATGGCTCCTGGAGTAGGAAAAAGTTTAAACTACATTCATGTTCTTGTCTGTGTCTC
ACTCGGCCCTGGGTAGTCTACCATTTACTTCACCCCAAGTCTGCTGCCCATCCAGTTGGGAAGCCATGATTTTC
CTAAGAATCCAGGGCCATGGGAGATACAATTCCAAGTTCTCGCTTCCTCCTTTGGGCATCTCTTCTGCCTCCCAA
TCAAGGAAGCTCCATGCTCAGGCTCTCAGCTCTCGGGCCAGTGCTCTGCTCTGTCCAGGGTAGGTAATACTGGGA
GACTCCTGTCTTTTACCCTCCCCTCGTTCCAGACCTGCCTCATGGTGGCAACATGGTTCTTGAACAATTAAAGAA
ACAAATGACTTTTTTGAATAGCCCTGTCTAGGGCAAAGTGTGGCCCCAGGAGACACTACCCTTCCATGCCCCAG
ACCTCTGTCTTGCATGTGACAATTGACAATCTGGACTACCCCAAGATGGCACCCAAAGTGTGTTGGCTTCTGGCTAC
CTAAGGTTAACATGTCACTAGAGTATTTTATGAGAGACAAACATTATAAAAATCTGATGGCAAAGCAAAACAA
AATGGAAAGTAGGGGAGGTGGATGTGACAACAACCTCCAAATTGGCTCTTTGGAGGCGAGAGGAAGGGGAGAACT
TGGAGAATAGTTTTTGCTTTGGGGGTAGAGGCTTCTTAGATTCTCCAGCATCCGCCTTTCCCTTTAGCCAGTCT
GCTGTCCTGAAACCCAGAAGTGATGGAGAGAAACCAACAAGAGATCTCGAACCTGTCTAGAAGGAATGTATTTG
TTGCTAAATTTGCTAGCACTGTTTACAGTTTTCCTCCATGTTATTTATGAATTTTATATTCCGTGAATGTATATT
GTCTTGTAATGTTGCATAATGTTCACTTTTTATAGTGTGTCCTTTATTCTAAACAGTAAAGTGGTTTTATTCTA
TCAC

6522/6881
FIGURE 6020

TCAACGCCTGCCTCCCCCTCGAGCGTCCTCAGCGCAGCCGCCGCCCGCGGAGCCAGCACGAACGAGCCCAGCACCG
GCCGGATGGAGCGTCCGCAACCCGACAGCATGCCCCAGGATTTGTCAGAGGCCCTGAAGGAGGCCACCAAGGAGG
TGCACACCCAGGCAGAGAATGCTGAGTTCATGAGGAACTTTCAGAAGGGCCAGGTGACCCGAGACGGCTTCAAGC
TGGTGATGGCCTCCCTGTACCACATCTATGTGGCCCTGGAGGAGGAGATTGAGCGCAACAAGGAGAGCCCAGTCT
TCGCCCCCTGTCTACTTCCCAGAAGAGCTGCACCGCAAGGCTGCCCTGGAGCAGGACCTGGCCTTCTGGTACGGGC
CCCGCTGGCAGGAGGTATCCCCCTACACACCAGCCATGCAGCGCTATGTGAAGCGGCTCCACGAGGTGGGGCGCA
CAGAGCCCCGAGCTGCTGGTGGCCACGCCTACACCCGCTACCTGGGTGACCTGTCTGGGGGCCAGGTGCTCAAAA
AGATTGCCCAGAAAGCCCTGGACCTGCCAGCTCTGGCGAGGGCCTGGCCTTCTTCACCTTCCCCAACATTGCCA
GTGCCACCAAGTTCAAGCAGCTCTACCGCTCCCGCATGAACTCCCTGGAGATGACTCCCGCAGTCAGGCAGAGGG
TGATAGAAGAGGCCAAGACTGCGTTCTGCTCAACATCCAGCTCTTTGAGGAGTTGCAGGAGCTGCTGACCCATG
ACACCAAGGACCAGAGCCCCCTACGGGCACCAGGGCTTCGCCAGCGGGGCCAGCAACAAAGTGCAAGATTCTGCC
CCGTGGAGACTCCCAGAGGGAAGCCCCCACTCAACACCCGCTCCCAGGCTCCGCTTCTCCGATGGGTCTTACAC
TCAGCTTTCTGGTGGCGACAGTTGCTGTAGGGCTTTATGCCATGTGAATGCAGGCATGCTGGCTCCAGGGCCAT
GAACTTTGTCCGGTGGAAGGCCTTCTTTCTAGAGAGGGAATTCTCTTGGCTGGCTTCTTACCGTGGGCACTGAA
GGCTTTCAGGGCCTCCAGCCCTCTCACTGTGTCCCTCTCTCTGGAAAGGAGGAAGGAGCCTATGGCATCTTCCCC
AACGAAAAGCACATCCAGGCAATGGCCTAAACTTCAGAGGGGGCGAAGGGGTCAGCCCTGCCCTTCAGCATCCTC
AGTTCTGCAGCAGAGCCTGGAAGACACCCTAATGTGGCAGCTGTCTCAAACCTCCAAAAGCCCTGAGTTTCAAG
TATCCTTGTGACACGGCCATGACCACTTTCCCCGTGGGCCATGGCAATTTTACACAAACCTGAAAAGATGTTG
TGTCTGTGTTTTTGTCTTATTTTTGTTGGAGCCACTCTGTTCTGGCTCAGCCTCAAATGCAGTATTTTTGTTG
TGTCTGTGTTTTTATAGCAGGGTTGGGGTGGTTTTTGGAGCCATGCGTGGGTGGGGAGGGAGGTGTTTAACGGC
ACTGTGGCCTTGGTCTAACTTTTGTGTGAAATAATAACAACATTGTCTG

6523/6881
FIGURE 6021

MERPQPD SMPQDLSEALKEATKEVHTQAENAEFMRNFQKGQVTRDGFKLVMASLYHIYVALEEEIERNKESPVFA
PVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQRYVKRLHEVGRTPELLVAHAYTRYLGDLGGQVLKKI
AQKALDLPSSGEGLAFFTFPNIASATKFKQLYRSRMNSLEMTPAVRQRVIEEAKTAFLLNIQLFEELQELLTHDT
KDQSPSRAPGLRQRASNKVQDSAPVETPRGKPLNTRSQAPLLRWVLTLSFLVATVAVGLYAM

6524/6881
FIGURE 6022

TTTTCCCGCGAAACTCGGCGGCTGAGCGTGGAGGTTCTTGTCTCCCTGGTTTGTGAAGTGCAGAAACCAGAGG
CGCAGTCAATGTCGGGATTTCGACGATCCTGGCATTCTTCTACAGCGACAGCTTCGGGGGCGACGCCAGGCCGACGA
GGGGCAGGCCCCGAAATCGCAGCTGCAGAGGCGCTTCAAGGAGTTCCCTGCGGCAGTACCGAGTGGGCACCGACCG
CACGGGCTTCACCTTCAAATACAGGGATGAACTCAAGCGGCATTACAACCTGGGGGAGTACTGGATTGAGGTGGA
GATGGAGGATCTGGCCAGCTTTGATGAGGACCTGGCCGACTACTTGTACAAGCAGCCAGCCGAGCACCTGCAGCT
GCTGGAGGAAGCTGCCAAGGAGGTAGCTGATGAGGTGACCCGGCCCCGGCCTTCTGGGGAGGAGGTGCTCCAGGA
CATCCAGGTCAATGCTCAAGTCGGACGCCAGCCCTTCCAGCATTCGTAGCCTGAAGTCGGACATGATGTACACCT
GGTGAAGATCCCTGGCATCATCATCGCGGCTCTGCGGTCCGTGCCAAGGCCACCCGCATCTCTATCCAGTGCCG
CAGCTGCCGCAACACCCTACCAACATTGCCATGCGCCCTGGCCTCGAGGGCTATGCCCTGCCAGGAAGTGCAA
CACAGATCAGGCTGGGCGCCCCAAATGCCATTGGACCCGTACTTCATCATGCCCGACAAATGCAAATGCGTGGA
CTTCCAGACCCTGAAGCTGCAGGAGCTGCCTGATGCAGTCCCCACGGGGAGATGCCAGACACATGCAGCTCTA
CTGCGACAGGTACCTGTGTGACAAGGTCGTCCCTGGGAACAGGGTTACCATCATGGGCATCTACTCCATCAAGAA
GTTTGGCCTGACTACCAGCAGGGGCCGTGACAGGGTGGGCGTGGGCATCCGAAGCTCCTACATCCGTGTCTGGG
CATCCAGGTGGACACAGATGGCTCTGGCCGACGCTTGTCTGGGGCCGTGAGCCCCAGGAGGAGGAGTTCCG
TCGCTGGCTGCCCTCCCAAATGTCTATGAGGTCACTCCAAGAGCATCGCCCCCTCCATCTTTGGGGGCACAGA
CATGAAGAAGGCCATTGCCTGCCTGCTCTTTGGGGGCTCCCGAAAGAGGCTCCCTGATGGACTTACTCGCCGAGG
AGACATCAACCTGCTGATGCTAGGGGACCCCTGGGACAGCCAAGTCCCAGCTTCTGAAGTTTGTGGAGAAGTGTT
TCCCATTGGGGTATACACGTCTGGGAAAGGCAGCAGCGCAGCTGGACTGACAGCCTCGGTGATGAGGGACCCCTC
GTCCCGGAATTTATCATGAGGGGCGGAGCCATGGTCCTGGCCGATGGTGGGGTCTGTCTGTATTGACGAGTTTGA
CAAGATGCGAGAAGATGACCGTGTGGCAATCCACGAAGCCATGGAGCAGCAGACCATCTCTATCGCCAAGGCTGG
GATCACCACCACCCTGAACTCCCGCTGCTCCGTCTTGGCTGCTGCCAACTCAGTGTTCGGCCGCTGGGATGAGAC
GAAGGGGGAGGACAACATTGACTTCATGCCCACCATCTTGTGCGGCTTCGACATGATCTTCATCGTCAAGGATGA
GCACAATGAGGAGAGGGATGTGATGCTGGCCAAGCATGTCATCACTCTGCACGTGAGCGCACTGACACAGACACA
GGCTGTGGAGGGCGAGATTGACCTGGCCAAGCTGAAGAAGTTTATTGCCTACTGCCGAGTGAAGTGTGGCCCCCG
GCTGTGTCAGCAGAGGCTGCAGAGAACTGAAGAACCCTACATCATATGCGGAGCGGGGCCCGTCAGCACGAGAG
GGACAGTGACCGCCGCTCCAGCATCCCCATCACTGTGCGGCAGCTGGAGGCCATTGTGCGCATCGCGGAAGCCCT
CAGCAAGATGAAGCTGCAGCCCTTCGCCACAGAGGCAGATGTGGAGGAGGCCCTGCGGCTCTTCCAAGTGTCAC
GTTGGATGCTGCCTTGTCCGGTACCCTGTGAGGGGTGGAGGGCTTACCAGCCAGGAGGACCAGGAGATGCTGAG
CCGCATCGAGAAGCAGCTCAAGCGCCGCTTTGCCATTGGCTCCCAGGTGTCTGAGCACAGCATCATCAAGGACTT
CACCAAACAGAAATACCCGGAGCAGCCATCCACAAGGTGCTGCAGCTCATGCTGCGGCGCGGGCAGATCCAGCA
TCGCATGCAGCGCAAGGTTCTCTACCGCCTCAAGTGAGTCGCGCCGCTCACTGGACTCATGGACTCGCCACGC
CTCGCCCCCTCTGCCGCTGCCTGCCATTGACAAATGTTGCTGGGACCTCTGCCTCCCCACTGCAGCCCTCGAACTT
CCCAGGCACCCTCCTTTCTGCCCCAGAGGAAGGAGCTGTAGTGTCTGCTGCCTCTGGGCGCCCCGCTCTAGCGC
GTTTCTGGGAAGTGTGCTTTTGGCATCCGTAAATAATAAAGCCACGGTGTGTTACGGT

6525/6881
FIGURE 6023

MSGFDDPGIFYSDSFGGDAQADEGQARKSQLQRRFKEFLRQYRVGTDRTGFTFKYRDELKRHYNLGEYWIEVEME
DLASFDEDLADYLYKQPAEHLQLLEEAKEVADEVTRPRPSGEEVLQDIQVMLKSDASPSIRSLSMMSHLVK
IPGIIIAASAVRAKATRISIQCRSCRNTLTNIAMRPGLEGYALPRKCNTDQAGRPKCLDPYFIMPDCKCVDFO
TLKLQELPDVPHGEMPRHMLYCDRYLCDKVVPGNRVTIMGIYSIKKFGLTTSRGRDRVGVGIRSSYIRVLGIQ
VDTDGSGRSFAGAVSPQEEEEFRRLAALPNVYEVISKSIAPSIFFGGTDMKKAIACLLFGGSRKRLPDGLTRGDI
NLLMLGDPGTAKSQLLKFEKCSPIGVYTSGKGSSAAGLTASVMRDPSSRNFIEMEGGAMVLADGGVVCIDEFDKM
REDDRVAIHEAMEQQTISIAGITTTLSNRCSVLAAANSVFGRWDETKGEDNIDFMPTILSRFDMIFIVKDEHN
EERDVMLAKHVITLHVSALTQTQAVEGEIDLAKLKKFIAYCRVKCGPRLSAEAAEKLKNRYIIMRSGARQHERDS
DRSSIPITVRQLEAIVRIAELSKMKLQPFATEADVEEALRLFQVSTLDAALSGTSLSGVEGFTSQEDQEMLSRI
EKQLKRRFAIGSQVSEHSIIKDFTKQYPEHAIHKVLQLMLRRGEIQHRMQRKVLYRLK

6526/6881
FIGURE 6024

GAGGTGCTGGGGAGCAGCGTGTGCTGTGCTTGATTGTGAGCTGCTGGGAAGTTGTGACTTTCATTTTACCTTT
CGAATTCCTGGGTATATCTTGGGGGCTGGAGGACGTGTCTGTTATTATATAGGTGCACAGCTGGAGGTGAGATC
CACACAGCTCAGACCAGCTGGATCTTGCTCAGTCTCTGTCAGAGGAAGATCCCTTGGAGGAGGCCCCGCAGCGAC
ATGGAGGGAGCTGCTTTGCTGAAAATCTTTGTCGTCTGCATCTGGGTGCAGCAAAACCATCCAGGCTGGACAGTG
GCTGGACAGTTCCAAGAAAAGAAACGCTTCACTGAAGAAGTCATTGAATACTTCCAGAAGAAAGTTAGCCCAGTG
CATCTGAAAATCCTGCTGACTAGCGATGAAGCCTGGAAGAGATTTGTGCGTGTGGCTGAATTGCCAGGGAAGAG
GCAGATGCTCTCTATGAAGCTCTGAAGAATCTTACACCATATGTGGCTATTGAGGACAAAGACATGCAGCAAAA
GAACAGCAGTTTAGGGAGTGGTTTTTGAAGTTTCTCAAATCAGATGGAAGATTCAGGAGTCCATAGAAAGGCT
TCGTGTCAATTGCAATGAGATTGAAAAGGTCCACAGAGGCTGCGTCATCGCCAATGTGGTGTCTGGCTCCACTGG
CATCCTGTCTGTCATTGGCGTTATGTTGGCACCATTACAGCAGGGCTGAGCCTGAGCATTACTGCAGCTGGGGT
AGGGCTGGGAATAGCATCTGCCACGGCTGGGATCGCCTCCAGCATCGTGGAGAACACATACACAAGGTCAGCAGA
ACTCACAGCCAGCAGGCTGACTGCAACCAGCACTGACCAATTGGAGGCATTAAGGGACATTCTGCGTGACATCAC
ACCCAATGTGCTTTCTTTTGCACTTGATTTTGACGAAGCCACAAAAATGATTGCGAATGATGTCCATACACTCAG
GAGATCTAAAGCCACTGTTGGACGCCCTTTGATTGCTTGGCGATATGTACCTATAAATGTTGTTGAGACACTGAG
AACAGTGGGGCCCCCACC GGATAGTGAGAAAAGTAGCCCGGAACCTGGGCAAGGCCACTTCAGGTGTCCTTGT
TGTGCTGGATGTAGTCAACCTTGTGCAAGACTCACTGGACTTGCACAAGGGGGCAAAATCCGAGTCTGCTGAGTC
GCTGAGGCAGTGGGCTCAGGAGCTGGAGGAGAATCTCAATGAGCTCACCCATATCCATCAGAGTCTAAAAGCAGG
CTAGGCCCAATTGTTGCGGGAAGTCAGGGACCCCAACGGAGGGACTGGCTGAAGCCATGGCAGAAGAAGCTGGA
TTGTGAAGATTTTATGGACATTTATTAGTTCCCCAAATTAATACTTTTATAATTTCTATGCCTGTCTTTACCGC
AATCTCTAAACACAAATTTGTGAAGATTTTATGGACACTGATCACTTCCCAATCAATACCCTTGTGATTTCTTAT
GCCTGTCTTTACTTTAATCTCCTAATCCTGTGCTGAGCTGAGGAGGATGTATGTACCTCAGGACCATGTGATAATTG
CGTTAACTGCACAAATTTGTAGAGCATGTGTGTTTGAACAATATGAAATCTGGGCACCTTGAAAAAGAACAGGAT
AACAGCAATTGTTTCAAGGAATAAGAGAGATAACCTTAAACTCTGACCAACAGTGAGCCTGGTGGAACAGAGTCAT
ATTTCTCTTTCTTTCAAAAGCAAAATGGGAGAAATATCGCTGAATCTTTTTCTCAGCAAGGAACATCCCTGAGAAA
GAGAATGCACCCCTGAGGGTGGGTCTATAAATGGCCTCCTTGGGTGTGGCCATCTTCTATGGTGCAGACTGTAGG
GATGAAATAAACCCTGCTCTCCCATAGCGCTCCCAGGCTTATTAGGAAGAGGAAATCCCGCCTAATAAATTTTG
GTCAGACCGGTTGCTCTCAAAACCTGTCTCCTGATAAGATGTTATCAATGACAATGGTGCCCGAAACCTCATT
GCAATTTTAAATTTCTCCCCGCTCTGTGTTCTGTGATCTCGCCCTGCCTCCACTTGCCTTGTGATATTCTATTA
CCTTGTGAAGTAGGTGATCTTTGTGACCCACACCCACACCTATTATACACTCCCTCCCTTTTGAAAGTCCCT
AATAAAAACTTGCTGGTTTTGCGGCTTGTGAGGCATCACGGAACCTACCGATGTGTGATGTCTCCCTGGACACC
TAGCTTTAAATTTCTCTCTTTTGTACTCTGTGCCTTTATTTCTCAAACCGGCCAACACTTAGGGAAAAATAGAAA
AGAACCTACGTGACCATCGGGGAGGTTCCTCGATACCAATGACCCAGAGCAGTGACGCCACCAGGGAAGGTG
AGCCAGACACAGGCCGGGACAAAACGCAGACATTTTTTAGGGGAATAAAGAGGGCGAGGTAAAGTTTATGGAAT
CAGTGTTAGGAACCTTGGCATCTGTAGCTGAGCACAGCAGGGGAGGGTTACTCAAGATGGCAAGTGCGCCAAGG
AGAAGGCAGAAATGCTGGGGCCTGGAATAAGGGAGGAGAGGGGACTGGAGAGTGTGGGGAATGGAAAGAAGCAGT
TTACTCTAGACTAAAGAGTATATTGGGGGAGGAAGAGAGGGAGGCACGTAGGAACAAGCAATGAGAAGACCAGGA
AAAGAAAGAGCTGAAAATGGAGAAAGCCACAGTTAGAATGTTGGATACAGGAGAAGAAACAGCGGCTCCACTAA
AGACCCGCCCCCGGTTGGATGTCTTCCAAGAAATGGAATCCTTCCCTGGTGATGGTCTCTCACCTGTCTTACC
AGCATCCACTCTCCCTTGTCTCCCGGGGTGTATCTGAGTCAGCCAGTGGCTTCTTGATGATGGTGGTGGTGGT
TGTAAGTGTGACAGGTCCCTTTAGGTTATTTAAGGGTGCATGTCCCTGCTTGAACCTGAAGCCGGGTAATGA
GCCATTTCCATGGTGGCAGCTGAGGACCAGGTGTCTCTGAGAATCCAACATCCTGGAGAGTATCTGAGAACCA
ACCAAGTAAAGTCTCGTTGCTCATATATAGTAGACAAAGAGCCAGAAAATTAAGTGAAGAGCAGTTTAGACATT
GGGGGAGGCTGGATCTCTCGAGCTGTCTTGTGAGTGCCCTGTGTGTAAGTCCTAATAAACTTAGCTACTGCCA

6527/6881
FIGURE 6025A

ATGGCACAGCAAGCTGCCGATAAGTATCTCTATGTGGATAAAAACTTCATCAACAATCCGCTGGCCCCAGGCCGAC
TGGGCTGCCAAGAAGCTGGTATGGGTGCCTTCCGACAAGAGTGGCTTTGAGCCAGCCAGCCTCAAGGAGGAGGTG
GGCGAAGAGGCCATCGTGGAGCTGGTGGAGAATGGGAAGAAGGTGAAGGTGAACAAGGATGACATCCAGAAGATG
AACCCGCCCCAAGTTCTCCAAGGTGGAGGACATGGCAGAGCTCACGTGCCTCAACGAAGCCTCGGTGCTGCACAAC
CTCAAGGAGCGTTACTACTCAGGGCTCATCTACACCTATTAGGCCTGTTCTGTGTGGTTCATCAATCCTTACAAG
AACCTGCCCATCTACTCTGAAGAGATTGTGGAATGTACAAGGGCAAGAAGAGGCACGAGATGCCCCCTCACATC
TATGCCATCACAGACACCGCCTACAGGAGTATGATGCAAGACCGAGAAGATCAATCCATCTTGTGCACTGGTGAA
TCTGGAGCTGGCAAGACGGGAGAACACCAAGAAGGTCTCCAGTATCTGGCGTACGTGGCGTCTCGCACAAAGAGC
AAGAAGGACCAGGGCGAGCTGGAGCGGCAGCTGCTGCAGGCCAACCCCATCCTGGAGGCCTTCGGGAACGCCAAG
ACCGTGAAGAATGACAACCTCCCGCTTCGGCAAATTCATTGCGATCAACTTTGATGTCAATGGCTACATTGTT
GGAGCCAACATTGAGACTTATCTTTTGGAGAAATCTCGTGCTATCCGCCAAGCCAAGGAAGAACGGACCTTCCAC
ATCTTCTATTATCTCTGTCTGGGGCTGGAGAGCACCTGAAGACCGATCTCCTGTTGGAGCCGTACAACAAATAC
CGCTTCTGTCCAATGGACACGTCACCATCCCCGGGCAGCAGGACAAGGACATGTTCCAGGAGACCATGGAGGCC
ATGAGGATTATGGGCATCCCAGAAGAGGAGCAAATGGGCCTGCTGCGGGTCTCTCAGGGGTCTTCAGCTCGGC
AACATCGTCTTCAAGAAGGAGCGGAACACTGACCAGGCGTCCATGCCCGACAACACAGCTGCCAAAAGGTGTCC
CATCTCTTGGGTATCAATGTGACCGATTTCACCAGAGGAATCCTCACCCCGCGCATCAAGGTGGGACGGGATTAC
GTCCAGAAGGCGCAGACTAAAGAGCAGGCTGACTTTGCCATCGAGGCTTTGGCCAAGGCGACCTATGAGCGGATG
TTCCGCTGGCTGGTGTGCGCATCAACAAGGCTCTGGACAAGACCAAGAGGCAGGGCGCCTCCTTCATCGGGATC
CTGGACATTGCCGGCTTCGAGATCTTTGATCTGAACTCGTTTGAGCAGCTGTGCATCAATTACCAATGAGAAG
CTGCAGCAGCTCTTCAACCACACCATGTTTCATCTGGAGCAGGAGGAGTACCAGCGCGAGGGCATCGAGTGGAAC
TTCATCGACTTTGGCCTCGACCTGCAGCCCTGCATCGACCTCATTGAGAAGCCAGCAGGCCCCCGGGCATTCTG
GCCCTGCTGGACGAGGAGTGCTGGTTCCCCAAAGCCACCGACAAGAGCTTCGTGGAGAAGGTGATGCAGGAGCAG
GGCACCCACCCCAAGTTCCAGAAGCCCAAGCAGCTGAAGGACAAAGCTGATTTCTGCATTATCCACTATGCCGGC
AAGGTGGATTACAAAGCTGACGAGTGGCTGATGAAGAACATGGATCCCTGAAATGACAACATCGCCACACTGCTC
CACCAGTCTCTGACAAGTTTGTCTCGGAGCTGTGGAAGGATGTGGACCGCATCATCGGCCTGGACCAGGTGGCC
GGCATGTGCGAGACCGCACTGCCCGGGGCTTCAAGACGCGGAAGGGCATGTTCCGCACTGTGGGGCAGCTTTAC
AAGGAGCAGCTGGCCAAGCTGATGGCTACGCTGAGGAACACGAACCCCAACTTTGTCCGCTGCATCATCCCCAAC
CACGAGAAGAAGGCCGGAAGCTGGACCCGCATCTCGTGCTGGACCAGCTGCGCTGCAACGGTGTTCTCGAGGGC
ATCCGTATCTGCCGCCAGGGCTTCCCCAACAGGGTGGTCTTCCAGGAGTTTCGGCAGAGATATGAGATCCTGACT
CCAAACTCCATTCCCAAGGGTTTCATGGACGGGAAGCAGGCGTGCGTGCTCATGATAAAAGCCCTGGAGCTCGAC
AGCAATCTGTACCGCAATTGGCCAGAGCAAAGTCTTCTTCCGTGCCGGTGTGCTGGCCCCACCTGGAGGAGGAGCGA
GACCTGAAGATCACCGACGTATCATAGGGTTCCAGGCCTGCTGCAGGGGCTACCTGGCCAGGAAAGCATTGACC
AAGCGGCAGCAGCAGCTTACCGCCATGAAGGTCTCCAGCGGAAGTGCCTGACCTGAAGCTGCGGAAGTGG
CAGTGGTGGCGGCTCTTACCAAGGTCAAGCCGCTGCTGCAGGTGAGCCGGCAGGAGGAGGAGATGATGGCCAAG
GAGGAGGAGCTGGTGAAGGTGAGAGAAAGCAGCTGGCTGCGGAGAACAGGCTCACGGAGATGGAGACGCTGCAG
TCTCAGCTCATGGCAGAGAAATTGCAGCTGCAGGAGCAGCTCCAGGCAGAAACCGAGCTGTGTGCCGAGGCTGAG
GAGCTCCGGGCCCCGCTGACCGCCAAGAAGCAGGAATTAGAAGAGATCTGCCATGACCTAGAGGCCAGGGTGGAG
GAGGAGGAGGAGCGCTGCCAGCACCTGCAGGCGGAGAAGAAGAAGATGCAGCAGAACATCCAGGAGCTTGAGGAG
CAGCTGGAGGAGGAGGAGAGCGCCCGCAGAAGCTGCAGCTGGAGAAGGTGACCACCGAGGCGAAGCTGAAAAAG
CTGGAGGAGGAGCAGATCATCTGGAGGACCAGAACTGCAAGCTGGCCAAGGAAAAGAACTGCTGGAAGACAGA
ATAGCTGAGTTACCAACCAACCTCACAGAAGAGGAGGAGAAATCTAAGAGCCTCGCCAAGCTCAAGAACAAGCAT
GAGGCAATGATCACTGACTTGGAAGAGCGCCTCCGCAGGGAGGAGAAGCAGCGACAGGAGCTGGAGAAGACCCGC
CGGAAGCTGGAGGGAGACTCCACAGACCTCAGCGACCAGATCGCCGAGCTCCAGGCCCAGATCGCGGAGCTCAAG
ATGCAGCTGGCCAAGAAAGAGGAGGAGCTCCAGGCCGCCCTGGCCAGAGTGGAAGAGGAAGCTGCCCAGAAGAAC
ATGGCCCTCAAGAAGATCCGGGAGCTGGAATCTCAGATCTCTGAACTCCAGGAAGACCTGGAGTCTGAGCGTGCT
TCCAGGAATAAAGCTGAGAAGCAGAAACGGGACCTTGGGGAAGAGCTAGAGGCTCTGAAAACAGAGTTGGAGGAC
ACGCTGGATTCCACAGCTGCCCAGCAGGAGCTCAGGTCAAACGTGAGCAGGAGGTGAACATCCTGAAGAAGACC
CTGGAGGAGGAGGCCAAGACCCACGAGGCCAGATCCAGGAGATGAGGCAGAAGCACTCACAGGCCGTGGAGGAG

6528/6881
FIGURE 6025B

CTGGCGGAGCAGCTGGAGCAGACGAAGCGGGTGAAAGCAAACCTCGAGAAGGCAAAGCAGACTCTGGAGAACGAG
CGGGGGGAGCTGGCCAACGAGGTGAAGGTGCTGCTGCAGGGCAAAGGGGACTCGGAGCACAAGCGCAAGAAAGTG
GAGGCGCAGCTGCAGGAGCTGCAGGTCAAGTTCAACGAGGGAGAGCGCGTGCGCACAGAGCTGGCCGACAAGGTC
ACCAAGCTGCAGGTGGAGCTGGACAACGTGACCGGGCTTCTCAGCCAGTCCGACAGCAAGTCCAGCAAGCTCACC
AAGGACTTCTCCGCGCTGGAGTCCCAGCTGCAGGACACTCAGGAGCTGCTGCAGGAGGAGAACC GG CAGAAGCTG
AGCCTGAGCACCAAGCTCAAGCAGGTGGAGGACGAGAAGAATTCTTCCGGGAGCAGCTGGAGGAGGAGGAGGAG
GCCAAGCACAACCTGGAGAAGCAGATCGCCACCCTCCATGCCCAGGTGGCCGACATGAAAAAGAAGATGGAGGAC
AGTGTGGGGTGCTGGAACTGCTGAGGAGGTGAAGAGGAAGCTCCAGAAGGACCTGGAGGGCCTGAGCCAGCGG
CACGAGGAGAAGGTGGCCGCTACGACAAGCTGGAGAAGACCAAGACGCGGCTGCAGCAGGAGCTGGACGACCTG
CTGGTGGACCTGGACCACCAGCGCCAGAGCGCGTGCAACCTGGAGAAGAAGCAGAAGAAGTTTGACCAGCTCCTG
GCGGAGGAGAAGACCATCTCTGCCAAGTATGCAGAGGAGCGCGACCGGGCTGAGGCGGAGGCCCGAGAGAAGGAG
ACCAAGGCTCTGTGCTGGCCCGGGCCCTGGAGGAAGCCATGGAGCAGAAGGCGGAGCTGGAGCGGCTCAACAAG
CAGTTCGCGACGGAGATGGAGGACCTTATGAGCTCCAAGGATGATGTGGGCAAGAGTGTCCACGAGCTGGAGAAG
TCCAAGCGGGCCCTAGAGCAGCAGGTGGAGGAGATGAAGACGCAGCTGGAAGAGCTGGAGGACGAGCTGCAGGCC
ACCGAAGATGCCAAGCTGCGGTTGGAGGTCAACCTGCAGGCCATGAAGGCCAGTTCGAGCGGGACCTGCAGGGC
CGGGACGAGCAGAGCGAGGAGAAGAAGAAGCAGCTGGTCAGACAGGTGCGGGAGATGGAGGCAGAGCTGGAGGAC
GAGAGGAAGCAGCGCTCGATGGCAGTGGCCGCCCCGAAGAAGCTGGAGATGGACCTGAAGGACCTGGAGGCGCAC
ATCGACTCGGCCAACAAGAACC GGGACGAAGCCATCAAACAGCTGCGGAAGCTGCAGGCCCAGATGAAGGACTGC
ATGCGCGAGCTGGATGACACCCGCGCCTCTCGTGAGGAGATCCTGGCCCAGGCCAAGAGAACGAGAAGAAGCTG
AAGAGCATGGAGGCCGAGATGATCCAGTTGCAGGAGGAAGTGGCAGCCGCGGAGCGTGCCAAGCGCCAGGCCAG
CAGGAGCGGGATGAGCTGGCTGACGAGATCGCCAACAGCAGCGGCAAAGGAGCCCTGGCGTTAGAGGAGAAGCGG
CGTCTGGAGGCCCGCATCGCCAGCTGGAGGAGGAGCTGGAGGAGGAGCAGGGCAACACGGAGCTGATCAACGAC
CGGCTGAAGAAGGCCAACCTGCAGATCGACCAGATCAACACCGACCTGAACCTGGAGCGCAGCCACGCCCAGAAG
AACGAGAATGCTCGGCAGCAGCTGGAACGCCAGAACAAGGAGCTTAAGGTCAAGCTGCAGGAGATGGAGGGCACT
GTCAAGTCCAAGTACAAGGCCTCCATCACCGCCCTCGAGGCCAAGATTGCACAGCTGGAGGAGCAGCTGGACAAC
GAGACCAAGGAGCGCCAGGCAGCCTGCAAACAGGTGCGTCGGACCGAGAAGAAGCTGAAGGATGTGCTGCTGCAG
GTGGATGACGAGCGGAGGAACGCCGAGCAGTACAAGGACCAGGCCGACAAGGCATCTACCCGCTGAAGCAGCTC
AAGCGGCAGCTGGAGGAGGCCGAAGAGGAGGCCAGCGGGCCAACGCCTCCCGCCGAAACTGCAGCGCGAGCTG
GAGGACGCCACTGAGACGGCCGATGCCATGAACCGCGAAGTCAGCTCCCTAAAGAACAAGCTCAGGCGCGGGGAC
CTGCCGTTTGTGCTGCCCGCCGAATGGCCCCGAAAGGCGCCGGGGATGGCTCCGACGAAGAGGTAGATGGCAAA
GCGGATGGGGCTGAGGCCAACCTGCCGAATAA

6529/6881
FIGURE 6026

MAQQAADKYLYVDKNFINNPLAQADWAAKKLVWVPSDKSGFEPASLKEEVGEEAIVELVENGKKVKVNKDDIQKM
NPPKFSKVEDMAELTCLNEASVLHNLKERYYSGLIYTYSGLFCVVINPYKNLP IYSEEIVEMYKGKKRHEMPPHI
YAITDTAYRSMMQDREDQSILCTGESGAGKTENTKKVIQYLAYVASSHKSKKDQGELERQLLQANPILEAFGNAK
TVKNDNSSRFGKFIRINFVNGYIVGANIETYLLEKSRAIRQAKEERTFHIFYYLLSGAGEHLKTDLLLEPYNKY
RFLSNGHVTIPGQQDKDMFQETMEAMRIMGIPEEEEQMGLLRVISGVQLGNIVFKKERNTDQASMPDNTAAQKVS
HLLGINVTDFTRGILTPIKVG RDYVQKAQTKEQADFAIEALAKATYERMFRWLVL RINKALDKTKRQGASFIGI
LDIAGFEIFDLNSFEQLCINYTNEKLQQLFNHTMFILEQEEYQREGIEWNFIDFGLDLQPCIDLIEKPAGPPGIL
ALLDEECWF PKATDKSFVEKVMQE QGTHPKFQKPKQLKDKADFCIIHYAGKVDYKADEWLMKNMDPLNDNIATLL
HQSSDKFVSELWKDVDRIGLDQVAGMSETALPGAFKTRKGMFRTVGQLYKEQLAKLMATLRNTNPNFVRCIIPN
HEKKAGKLDPHLVLDQLRCNGVLEGIRICRQGF PNRVVFQEFQRYEILTPNSIPKGFMDGKQACVLMIKALELD
SNLYRIGQSKVFFRAGVLAHLEERDLKITDVIIGFQACCRGYLARKAFAKRQQQLTAMKVLQRNCAAYLKL RNW
QWWRLFTKV KPLLQVSRQEEEMMAKEEELVKVREKQLAAENRLTEMETLQSQLMAEKLQLQEQLQAETELCAEAE
ELRARLTAKKQEELEEICHDL EARVEEEEEERCQHLQAEKKKMQQNIQEELEEQLEEEEESARQKLQLEKVTTEAKLKK
LEEEQIILEDQNKLAKEKKLLEDRIA EFTTNLTEEEEEKSKSLAKLKNKHEAMITDLEERLRREEKQRQELEKTR
RKLEGDSTDLSQIAELQAQIAELKMQLAKKEEELQAALARVEEEAAQKNMALKKIRELESQISELQEDLESERA
SRNKA EKQKRD LGEELEALKTELED TLDSTAAQQELRSKREQE VNILKKTLEEEAKTHEAQIQEMRQKHSQAVEE
LAEQLEQTKRVKANLEKAKQTL ENER GELANEV KVL LQKG DSEHKRKKVEAQLQELQVKFNEGERVRTELADKV
TKLQVELDNVTGLLSQSDSKSSKLT KD FSALESQ LQDTQELLQEENRQKLSLSTKLKQVEDEKNSFREQL EEEEE
AKHNLEKQIATLHAQVADMKKKMEDSVGCLETAEEVKRKLQKDLEGLSQRHEEKVAAYDKLEKTKTRLQQELDDL
LVLDLDHQRSACNLEKKQKKFDQLLAE EKTISAKYAEERDRAEAEAREKETKALS LARALEEAMEQKAELERLNK
QFRTEMEDLMSSKDDVGKSVHELEKSKRALEQQVEEMKTQLEEELEDELQATEDAKLRLEVNLQAMKAQFERDLOG
RDEQSEEKKKQLVRQVREMEAELEDERKQRSMAVAARKKLEMDLKDLEAHIDSANKNRDEAIKQLRKLQAQMKDC
MRELDDTRASREEILAQAKENEKKLKSMEAE MIQLQEELAAAERAKRQAQOERDELADEIANSSGKGALALEEKR
RLEARIAQLEEELEEEEQGNTELINDRLKKANLQIDQINTDLNLSHAQKNENARQQLERQNKELVKVLQEMEGT
VKSKYKASITALEAKIAQLEEQLDNETKERQAACKQVRRTEKKLKDVL LQVDDERRNAEQYKDQADKASTRLKQL
KRQLEEAEEEAQRANASRRKLQRELE DATETADAMNREVSS LKNKLRRGDL PFFVVP RRMARKGAGDGSDEEVDGK
ADGAEAKPAE

6530/6881
FIGURE 6027

GAATTCGGCACGAGCTAACGCGGTCCCCGGCACGCACCATCTGTTGCCATCCCGGCCGGCCGAGGCCATTGCAGA
TTTTGGAAGATGGCAAAGTTCATGACACCCGTGATCCAGGACAACCCCTCAGGCTGGGGTCCCTGTGCGGTTCCC
GAGCAGTTTCGGGATATGCCCTACCAGCCGTTTCAGCAAAGGAGATCGGCTAGGAAAGGTTGCAGACTGGACAGGA
GCCACATACCAAGATAAGAGGTACACAAATAAGTACTCCTCTCAGTTTGGTGGTGGAAAGTCAATATGCTTATTTT
CATGAGGAGGATGAAAGTAGCTTCCAGCTGGTGGATACAGCGCGCACACAGAAGACGGCCTACCAGCGGAATCGA
ATGAGATTTGCCCAGAGGAACCTCCGCAGAGACAAAGATCGTTCGGAACATGTTGCAGTTCAACCTGCAGATCCTG
CCTAAGAGTGCCAAACAGAAAGAGAGAGAACGCATTTCGACTGCAGAAAAAGTTCCAGAAACAATTTGGGGTTAGG
CAGAAATGGGATCAGAAATCAGAAACCCCCGAGACTCTTCAGTTGAAATTTCGTAGTGATTGGGAAGTGAAAGAG
GAAATGGATTTTCCTCAGTTGATGAAGATGCGCTACTTGGAAAGTATCAGAGCCACAGGACATTGAGTGTGTGGG
GCCCTAGAATACTACGACAAAGCCTTTGACCGCATCACCACGAGGAGTGAGAAGCCACTGCGGAGCATCAAGCGC
ATCTTCCACACTGTCACCACCACAGACGACCCTGTCATCCGCAAGCTGGCAAAAACCTCAGGGGAATGTGTTTGCC
ACTGATGCCATCCTGGCCACGCTGATGAGCTGTACCCGCTCAGTGTATTCTGGGATATTGTCGTCCAGAGAGTT
GGGTCCAAACTCTTCTTTGACAAGAGAGACAACCTCTGACTTTGACCTCCTGACAGTGAGTGAGACTGCCAATGAG
CCCCCTCAAGATGAAGGTAATTCCTTCAATTCACCCCGCAACCTGGCCATGGAGGCAACCTACATCAACCACAAT
TTCTCCCAGCAGTGCTTGAGAATGGGGAAGGAAAGATACAACCTCCCCAACCCAAACCCGTTTGTGGAGGACGAC
ATGGATAAGAATGAAATCGCCTCTGTTGCGTACCGTTACCGCAGGTGGAAGCTTGGAGATGATATTGACCTTATT
GTCCGTTGTGAGCACGATGGCGTCATGACTGGAGCCAACGGGGAAAGTGTCTTCATCAACATCAAGACACTCAAT
GAGTGGGATTCCAGGCACTGTAATGGCGTTGACTGGCGTCAGAAGCTGGACTCTCAGCGAGGGGCTGTCATTGCC
ACGGAGCTGAAGAACAACAGCTACAAGTTGGCCCGGTGGACCTGCTGTGCTTTGCTGGCTGGATCTGAGTACCTC
AAGCTTGTTATGTGTCTCGGTACCACGTGAAAGACTCCTCACGCCACGTCATCCTAGGCACCCAGCAGTTCAAG
CCTAATGAGTTTGCCAGCCAGATCAACCTGAGCGTGGAGAATGCCTGGGGCATTTTACGCTGCGTCATTGACATC
TGCATGAAGCTGGAGGAGGGCAAATACCTCATCCTCAAGGACCCCAACAAGCAGGTCATCCGTGTCTACAGCCTC
CCTGATGGCACCTTCAGCTCTGATGAAGATGAGGAGGAAGAGGAGGAGGAAGAAGAGGAAGAAGAAGAGGAAGAA
ACTTAAACCAGTGATGTGGAGCTGGAGTTTGTCTTCCACCGAGACTACGAGGGCCTTTGATGCTTAGTGGAATG
TGTGTCTAACTTGCTCTCTGACATTTAGCAGATGAAATAAAATATATATCTGTTTAGTCTTTTAAAAAAAAAAAA
AAAAAA

6531/6881
FIGURE 6028

MAKFMTFVIQDNPSGWGPCAVPEQFRDMPYQPFSGDRLGKVADWTGATYQDKRYTNKYSSQFGGGSQYAYFHEE
DESSFQLVDTARTQKTAYQRNRMRFQORNLRDKDRRNMLQFNLQILPKSAKQKERERIRLQKKFQKQFGVRQKW
DQKSQKPRDSSVEVRSDWEVKEEMDFPQLMKMRYLEVSEPQDIECCGALEYDKAFFDRITRSEKPLRSIKRIFH
TVTTTDDPVIRKLAKTQGNVFATDAILATLMSCTRSVYSWDIVVQRVGSKLFFDKRDNSDFDLLTVSETANEPPO
DEGNSFNSPRNLA MEATYINHNFSQQCLRMGKERYNFPNPNPFVEDDMDKNEIASVAYRYRRWKLGDDIDLIVRC
EHDGVMTGANGEVSFINIKTLNEWDSRHCNGVDWRQKLD SQRGAVIATELKNNSYKLARWTCCALLAGSEY LKLG
YVSR YHVKDSSRHVILGTQQFKPNEFASQINLSVENAWGILRCVIDICMKLEEGKYLILKDPNKQVIRVYSLPDG
TFSSDEDEEEEEEEEEEEEEET

6532/6881
FIGURE 6029

GGGGGGCGGGAGGAGGGGACAGCTGCGGGCGCGGGGAGGGGGCGCCGCGCCGCGGGGGCCATGGCGGAGCCAGGA
AGCCGGGAGTCCGAGACCCGGGCCCCGAGCCCGAGTGTGCGCGCC**ATGG**CCTTCGCCGCAGCTCTGCCGCGCGCTG
GTGTCGGCGCAATGGGTGGCGGAGGCGCTGCGGGCCCCGCGCGCTGGGCAGCCTCTGCAGCTGCTGGACGCCTCC
TGGTACCTGCCGAAGCTGGGGCGCGACGCGCGACGCGAGTTCGAGGAGCGCCACATCCCGGGCGCCGCTTTCTTC
GACATCGACCAGTGCAGCGACCGCACCTCGCCCTACGACCACATGCTGCCCCGGGGCCGAGCATTTGCGGGAGTAC
GCAGGCCCGCTGGGCGTGGGCGCGGCCACCCACGTCGTGATCTACGACGCCAGCGACCAGGGCCTCTACTCCGCC
CCGCGCGTCTGGTGGATGTTCCGCGCCTTCGGCCACCACGCCGTGTCACCTGCTTGCCTGATGGCGGCCTCCGCCACTGG
CTGCGCCAGAACCTCCCGCTCAGCTCCGGCAAGAGCCAACCTGCTCCCGCCGAGTTCGCGCTCAGCTCGACCCC
GCCTTCATCAAGACCTACGAGGACATCAAGGAGAACCTGGAATCCCGCGCTTCCAGGTGGTGGACTCCCGAGCC
ACTGGCAGGTTCCGCGGCACCGAGCCCCGAGCCCCGAGACGGCATTGAACCTGGCCACATCCAGGTACCGTGAAC
ATCCCCTTACAGACTTCCTGAGCCAGGAGGGGCTGGAGAAGAGCCCTGAGGAGATCCGCCATCTGTTCCAGGAG
AAGAAAGTGGACCTGTCTAAGCCACTGGTGGCCACGTGTGGCTCTGGCGTCACAGCCTGCCACGTGGCACTAGGG
GCCTACCTCTGCGGCAAGCCAGACGTGCCCATCTACGATGGCTCCTGGGTGGAGTGGTACATGCGCGCCCCGGCCC
GAGGATGTCATCTCAGAGGGCCGGGGGAAGACCCAC**TGA**AGCTGGGCAGGACACAGGCGAGCTCAGGTGATGCCG
GCCACCAGCAATGCCTGGCCTGGTAGCTCCGCTTCTGCTTTACCAAGAGAGTGTTCCTTCACTCAACTCAGGTG
GCATTTGGGGTGACATCTCAAAGGCCAGGAATTCCGTTGACTTGTTGGCTGCCAGTAGGGGCGGGAGGAAAGGCG
GAGGCGAGCCCTGGAGGAGGGAGGCCACAACCTCCGAGCTGCCACCTGGTGCTGAGCTGGGGCCCCGCCTCCTTT
CTGTTTTATTTT**GAGGAAATAAAATAACCAAGTATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA**

6533/6881
FIGURE 6030

MASPQLCRAVSAQWVAEALRAPRAGQPLQLLDASWYLPKLGRDARREFEERHIPGAAFFDIDQCSDRTPSYDHM
LPGAEHFAEYAGRLGVGAATHVVIYDASDQGLYSAPRVWWMFRAFGHHAVSLLDGGLRHWLRQNLPLSSGKSQPA
PAEFRAQLDPAFIKTYEDIKENLESRRFQVVDSRATGRFRGTEPEPRDGIPEGHIPGTVNIPFTDFLSQEGLEKS
PEEIRHLFQEKKVDLSKPLVATCGSGVTACHVALGAYLCGKPDVFIYDGSWVEWYMRARPEDVISEGRGKTH

6534/6881

FIGURE 6031

GCGACTCTCCCGGGCTGCCAGCCGGGACGCGCGGCCGCCGCGCTGCAGACGACGAGTCCGCCCTCGTCCCGCGC
CCCCGGGGCTCGCGGAGCCAGGTCTCCACCTCTGGGCAGGAGAGTTGCCGACCACCTCGGGGGTGCTTTCTCTGC
GCTTGAACATCTATAGCTGCTTCTGAGGGGCTGGGAGCCGGGCCCCCTGGGAGAGACGAGCCATGAACCCCCACA
GCCTCTGCATTTGGGGACCTCACCTTAGGAGAGTGCCATTTACAGCTTCCGCCAGGGCAAAGGAGCTGAGCAGCC
ATCCCAAGCCCAGCCCACCTCCCTCCCCCGGGCCCCCTGGTAGGCATGGACTAGCAGCTGTGAGCAGCCAGAGCTGA
TGCCCCGGCCCCCAGGGGGGCGAGGGCGCCGCCACCATGAGCCTGGGCAAGCTCTCGCCTGTGGGCTGGGTGTCCA
GTTTACAGGGAAAGAGGCGGCTGACTGCAGACATGATCAGCCACCCACTCGGGGACTTCCGCCACACCATGCATG
TGGGCCGTGGCGGGGATGTCTTCGGGGACAGCTCCTTCCTCAGCAACCACGGTGGCAGCTCCGGGAGCAGCCATC
GCTCACCCCGCAGCTTCCCTGGCCAAGAAGCTGCAGCTGGTGGGAGGGTGGGGGCGCCCCCGGAGGATGGCAT
CTCCCCCTGCACCCTCCCCGGCTCCACCGCCATCTCCCCATCATCAAGAACGCCATCTCCCTGCCCCAGCTCA
ACCAGGCCGCTACGACAGCCTCGTGGTTGGCAAGCTCAGCTTCGACAGCAGCCCCACCAGCTCCACGGACGGCC
ACTCCAGCTACGGCCTGGACTCTGGGTTCTGCACCATCTCCCGCCTGCCCCGCTCGGAAAAGCCGCATGACCGAG
ACCGGGATGGTTCCTTCCCCTCTGAGCCCGGGCTTCGCCGCTCTGACTCTCTTGTCTTCCGCTGGACCTCG
ACCTTGGGCCCTCACTCCTCAGCGAGCTGCTAGGGGTCTAGAGCCTCCAGAAGCCCCTGCAGCTGAGACTCCAG
CCCCCGCTGCAAACCCCCCAGCCCCTACTGCAAACCCCACGGGTCTGCTGCAAACCCCCCAGCCACTACTGCAA
ACCCCCCAGCGCCTGCTGCAAACCCCTCAGCACCTGCCGCAACCCCCACGGGTCTGCTGCAAATCCCCCAGCCC
CTGCCGCAAGCTCCACACCCCATGGACACTGTCCCAATGGGGTAACAGCTGGGTTGGGCCCAGTGGCTGAGGTGA
AGTCCAGCCCAGTGGGAGGGGGTCCCCGAGGACCTGCTGGCCCTGCCCTCGGCAGGCACTGGGGAGCAGGCTGGG
ATGGCGGCCACCACTACCCAGAGATGGATGCGCGGCAGGAGCGGGTGGAGGTGCTGCCCCAAGCCCGGGCCTCCT
GGGAGAGCCTGGACGAAGAGTGGAGGGCGCCCCAGGCAGGCAGCAGGACCCAGTGCCAGCACAGTGCAAGCAA
ACACCTTTGAATTTGCGGATGCTGAGGAGGATGATGAGGTCAAGGTGTGAGGGGCTGGGGCACGGTCCCAGGGCC
CCACCTAGGTGCAGAGCCGGCCCCCTACCTAACAGCTGGTTCCTACCAGACCGGAGAGGGGAGAAGTCATGTTGC
CCCTAAACCCCTCCCCACCTCTGCAGGACAGACATGGGAGGGAGGACAGGGAAGGCCAGGCTTGCTCTGGGACTT
TTAIGCTCCCAGAGGCCCTGCCAACTGACCACCTCCCCGACTGCCACTCTGGACCTAATAGCTGTTCTTAGG
CCCCACTCCATGCCACCCCCACCAGCTGGAGGACCCAGCCTCACAGTGTGTCTTTGTGCCAGACCAAGCGGCC
GTGGGGGGTGGGGGGCAGGGAGTGTACCACACAGGGCCATTGTCTCACCTCCCAAAGGGACCGCCTGCCCCCAGC
TCATCCCAGAGCGTCCCTGCTGCAACCCTGACAGCGTCTCCAGGGCGCTTCCCCAACATCCCCGCCCCAGCCT
CCCTCTTACCCAGAAAGGTGAGGTATGACCTCCCGGGAGGAATCCACCTGCCTGTATACCCAGACTTGCCT
CTGGGGCCTGATTAAATAAGGCTGTTTTGAT

6535/6881
FIGURE 6032

GGGGGCCGGTGGCGGATGGAGCCCGCGATGGAGCCGGAGACTCTGGAGGCGCGAATCAATAGAGCCACGAACCCC
CTGAACAAGGAGCTCGACTGGGCCAGCATCAACGGCTTCTGCGAGCAGCTCAACGAGGACTTTGAGGGGCCTCCA
CTCGCCACCCGGCTGCTGGCCACAAGATCCAGTCCCCACAGGAGTGGGAGGCGATCCAGGCCTTGACGGTGCTG
GAAACATGCATGAAGAGCTGCGGCAAGCGGTTCCACGACGAAGTGGGCAAGTTCCGCTTTCTCAACGAGCTCATC
AAGGTCGTGTCTCCCAAGTATCTGGGCTCTCGGACATCGGAGAAGGTGAAGAACAAGATCTTGGAGCTCCTCTAC
AGCTGGACAGTGGGCCTGCCCCAGGAGGTGAAAATCGCAGAGGCCTACCAGATGCTAAAGAAGCAGGGGATTGTA
AAGTCCGACCCCAAGCTTCCAGATGACACTACCTTTCCCTTCTCTCCACGGCCGAAGAATGTGATCTTTGAA
GATGAGGAGAAAATCCAAGATGCTGGCCCGCTGCTGAAGAGCTCCCATCCCGAAGACCTCCGCGCAGCCAATAAG
CTCATCAAAGAGATGGTGCAGGAGGACCAGAAGCGGATGGAGAAGATCTCGAAGAGGGTGAATGCCATCGAGGAG
GTGAACAACAATGTGAACTGCTCACGGAGATGGTGATGAGCCACAGCCAGGGCGGCGCAGCAGCTGGCAGCAGC
GAGGACCTCATGAAGGAAGTGTACCAGCGCTGTGAGCGGATGCGGCCACGCTCTTCCGACTGGCGAGTGACACA
GAGGACAATGATGAGGCCTTAGCGGAGATCCTGCAGGCCAATGACAACCTCAGGAGGTGATCAACCTGTATAAG
CAGCTGGTGCAGGGGTGAGGAGGTCAACGGTGATGCCACAGCCGGCTCCATCCCTGGGAGCACCTCGGCCCTGCTG
GATCTCTCAGGCCTGGATCTCCCGCTGCGGGCACCACTACCCAGCTATGCCACCCGCCCTGGCGAGCAGGCC
AGCCCTGAGCAGCCAGTGCCTCAGTTTCCCTGCTTGACGACGAGCTCATGTCTCTGGGCCTCAGTGACCCACACA
CCCCCTTCAGGCCCAAGCCTGGATGGTACCGGATGGAACAGCTTCCAGTCTGTCGGATGCCACTGAGCCCCAGCC
CCTGCTCTGGCCCAGGCCCCAGTATGGAAAGCCGACCCCAAGCGCAGACATCCCTGCCAGCAAGCAGCGGTCTG
GACGACCTAGACCTCCTGGGAAGACCCTCCTGCAGCAGTCTGCTGCCCGCGAATCCAGCAAGTGCAGGTGGGAG
AAGCAGCAGCCAACCCCCCGGCTCACACTCCGGGACCTGCAGAATAAGAGCAGCAGCTGCAGCTCCCCAGCTCC
AGCGCCACCAGCCTTCTCCACACCGTGTCCCCAGAGCCCCCAGGCCCTCCGCAGCAGCCCGTACCAACCGAGCTC
TCACTGGCCAGCATCACTGTGCCCTGGAGTCCATCAAACCCAGCAACATCCTGCCCGTGACTGTGTATGACCAG
CACGGCTTCCGCATCCTCTTCCATTTTGGCCGGGACCCACTGCCAGGGCGCTCCGACGTGCTGGTGGTGGTGGT
TCCATGCTGAGCACCGCCCCCAGCCCATCCGCAACATCGTGTTCAGTCACTGTCCCAAGGTTATGAAGGTG
AAGCTGCAGCCACCCTCGGGCACGGAGCTGCCAGCTTTTAACCCCATCGTCCACCCCTCAGCAATCAGCCAGGTC
CTGCTGCTTGCCAACCCCCAGAAGGAGAAGGTTCCGCTTACAGCTCACCTTACCATGGGTGACCAGACC
TACAACGAGATGGGGGATGTGGACCAGTTCCCCCACCTGAAACCTGGGGTAGCCTCTAGAACAGAGGGGCTGGG
GAGAGGAAGGGGCAGAGGGACCGGTCACTGTCCAGCCTGGAGGGAGGCATTGGTGGCCAAGGACACCCTTTGTTG
CCCATGGCCATTACCCCCAGGCCTGGTGCTTCTCCCCACACCCTGTAGGCCTCAAGTGACTCTTCCCCCTCCT
GCTCCGGCCCCGCCCTGCTGAGCCAAACCCAGTAGGAGGCTGGGCCTGGGTTTGTGCCGCTGGGGTCTCCATCA
CCGGGACCTGGAGAGGGAGGGGCTGTGTAGCCTTGAAGAAGTGGGTGATGGGGAGGAAGCACAGCTGTTGGGG
AAGGGCCAGGACCTCAGGCCAGCCCCAACCCAGCTGGGGTGGGGTCTTCCCCACCTGTCTCTTATGCCTTATG
GGAAGGCCAGCCATAACTCGGGGGCCATGCTGGAGCTGGGGACCAGCTTAGGCCTCCTCCATAGGAACCCAGTG
ACTGGGGGTGACGCCTACACCCAGCTATTTGCACTCTGGTGTGTGGTTTGACTCTGCTTTTCTTCCGGATTG
GCCCTGTGGTCACAGCCTCAGGGGGCAGGCTGGGGGAACCTCACCTGGCCCGTACTCCTGGGGGTTTCCCTTTG
CCATTGGGCCCCCTGAGGAGTGTGGGGGCTCAAGGGTAATGCCAGAGGCCCATGGCCCCAGCAGGGGCTGTGG
GGCACCTAGAGTTCTCGGTGTGTCTCTTCATTTCATTGGCCTCTGCTGGGGCCTCCTATGGGTGTCTTACGTCTG
TCCATCCATCTGTCCGTGGTCAGAAGTGGGGTCAGTGTGTGAGTGAGAGCAGGAGTATTTATGAAAATAAACGT
CGTTTTTCTTGAAAAA

6536/6881
FIGURE 6033

MEPAMEPETLEARINRATNPLNKELDWASINGFCEQLNEDFEGPPLATRLLAHKIQSPQEWEAIQALTVLETCMK
SCGKRFDHDEVGKFRFLNELIKVVSPKYLGSRTSEKVKNKILELLYSWTVGLPEEVKIAEAYQMLKKQGIVKSDPK
LPDDTTTFPLPPPRPKNVIFEDEEKSKMLARLLKSSHPEDLRAANKLIKEMVQEDQKRMEKISKRVNAIEEVNNNV
KLLTEMVMSHSQGGAAAGSSEDLMKELYQRCERMPTLFRLASDTEDEALAEILQANDNLTOVINLYKQLVRG
EEVNGDATAGSIPGSTSALLDLSGLDLPPAGTTYPAMPTRPGEQASPEQPSASVSLDDELMSLGLSDPTPPSGP
SLDGTGWNSFQSSDATEPPAPALAQAPSMESRPPAQTSLPASSGLDDDLLGKTLLQQSLPPESQQVRWEKQQPT
PRLTLRDLQNKSSSCSSPSSSATSLHTVSPPEPRPPQQPVPTELSLASITVPLESIKPSNILPVTYDQHGFR
LFHFARDPLPGRSDVLVVVSMSTAPQPIRNIVFQSAVPKVMKVKLQPPSGTELPFNPVHPSAITQVLLAN
PQKEKVRRLRYKLFTMGDQTYNEMGDVDQFPPPETWGS

6537/6881
FIGURE 6034

CTGCAGGTAGAACAGCGGCTGGAGCCGGCCAAGCGGGCAGCCCACAACATCCACAAGCGGCTGCAGGCCTGTCTG
CAGGGCCAGAGCGGGGCAGACATGGACAAGCGGGTGAAGAAGCTTCCCCTCATGGCTCTGTCCACCACGATGGCT
GAGAGCTTCAAGGAGCTGGACCCTGATTCCAGCATGGGGAAAGGCTTGGAGATGAGCTGTGCCATCCAGAATCAG
CTGGCCCGCATCCTGGCCGAGTTTGAGATGACCCTGGAGAGGGACGTCTGCAGCCACTCAGCAGGCTGAGTGAG
GAGGAGCTGCCAGCCATCCTCAAACACAAGAAAAGCCTCCAGAAGCTCGTGTCCGACTGGAACACACTCAAGAGC
AGGCTCAGTCAGGCAACCAAGAATTGAGGCAGCAGTCAAGGCCTAGGAGGCAGCCCGGGTAGTCACAGCCATACG
ACCATGGCCAACAAGGTGGAGACGCTGAAGGAGGAGGAGGAGGAGCTGAAGAGGAAAGTGGAGCAATGCAGGGAC
GAGTACTTGGCTGACCTGTACCCTTTGTTACCAAGGAGGACTCCTATGCCAACTACTTTCATTTCGTCTCTGGAG
ATTGAGGCCGATTACCATCGCAGGTCACTGAGCTCGCTGGACACAGCCCTGGCTGAGCTGAGGGAGAACCACGGC
CAAGCAGACCACTCCCCTTCGATGACAGCCACCCACTTCCCCAGGGTGTATGGGGTGTGCTGGCAACCCACCTG
CAAGAGCTGGGCCGGGAGATTGCCCTGCCCATCGAGGCCTGCGTCATGATGCTGCTTTCTGAGGGCATGAAGGAA
GAGGGTCTCTTCCGTCTGGCTGCTGGGGCCTCGGTGCTGAAGCGTCTCAAGCAGACAATGGCCTCGGACCCCCAC
AGCCTGGAGGAGTTCTGCTCCGACCCGCACGCTGTGGCAGGTGCCCTCAAGTCCTATCTGCGGGAGCTGCCAGAG
CCTCTGATGACCTTCGACCTCTATGATGACTGGATGAGGGCAGCCAGCCTGAAGGAGCCAGGGGCCCGGCTGCAG
GCCCTCCAAGAGGTGTGCAGCCGCTACCCCCCGAGAACCTCAGCAACCTCAGGTACCTGATGAAGTTCTGGCA
CGGCTGGCCGAGGAGCAGGAGGTGAACAAGATGACACCCAGCAACATCGCCATAGTCTGGGACCCAACTTGCTG
TGGCCACCTGAGAAAGAAGGGGACCAGGCCAGCTGGATGCAGCCTCCGTGCTTCCATCCAGGTGGTGGGCGTC
GTCGAGGCGCTGATCCAGAGCGCAGACACCCTCTTCCCTGGAGACATCAACTTCAACGTGTCAGGCCTCTTCTCA
GCTGTTACCCTCCAGGACACAGTCAGTGACAGGCTGGCCTCTGAGGAACTTCCGTCCACTGCCGTGCCACCCCCA
GCCACCACCCCGGCTCCGGCTCCGGCTCCAGCTCCAGCTCCGGCCCCAGCCTTGGCTTCAGCAGCTACCAAGGAA
AGGACAGAGTCTGAGGTGCCTCCAGACCAGCCTCCCCCAAGGTCAACCAGGAGTCCCCCGGAGACAGCTGCCCA
GTGGAGGACATGGCTCGGAGGACCAAGCGCCCGGCCAGCCCGGCCACCATGCCGCCCCCAGGTCTCCGGC
TCCCGCTCCTCCCCTCCAGCCCCGCCCTTGCCCCCTGGCTCTGGCAGCCCTGGGACCCCCCAAGCCCTGCCCGA
CGTCTGGTTGGCAGCAGCCTCCGAGCCCCACAGTGCCACCCCCGTTACCCCCCACACCCCTCAGCCTGCCCGG
CGCCAAAGCCGGCGTTACCCAGCCTCCCCAGCCCGGCCCTCCCCAGGTCCAGCCTCCCCAGCCAGTCTCTTTG
AGTAACCCCTGCACAGGTGGACCTGGGGGCTGCCACAGCAGAGGGAGGAGCCCCTGAGGCTATCAGTGGGGTCCCC
ACTCCCCCAGCTATCCCCCTCAGCCCCGCCCGAGGAGCCTTGCCCTCAGAGACCAACTGAGTGGCTGGTTTCTCC
CTAAGCAGCCCTCAGCACCCCTCCCTCCCCACCTGGCCCTCCAGGACAGCTCTCGCCCCCACAAAGGGGCAT
GGGCCTCCAGCCTTTGCCACAAGTGCCTCAGTGCCCACTGGGTGCGGCCCATGGCCAGGAGGGCTCAGGACAA
TCCTCTATTTCTGACCTTTTCTCGTCCACCCTGGGCTTGGGGACCCCCCACCAGTCTCCACTCTCCGGCA
GGTCTTAGGGGAGCCACCGGAAGGAAGGAGAGGTTTGCCTGCTCCTACGGGACTGATTCTTCTTTGCCGACATG
TTTTTTGTAAGGCTGGTAAATAAATTATTTTGGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGGG

6538/6881
FIGURE 6035

MAESFKELDPDSSMGKALEMSCAIQNQLARILAEFEMTLERDVLQPLSRLSEEELPAILKHKKSLOKLVDWNTL
KSRLSQATKNSSGSSQGLGGSPGSHSHTTMANKVETLKEEEEELKRKVEQCRDEYLADLYHFVTKEDSYANYFIRL
LEIQADYHRRSLSSLDALAELENHGQADHSPSMTATHFPRVYGVSLATHLQELGREIALPIEACVMMLLSEGM
KEEGLFRLAAGASVLKRLKQTMASDPHSLEEFCSDPHAVAGALKSYLRELPEPLMTFDLYDDWMRAASLKEPGAR
LQALQEVCSRPPENLSNRLRYLMKFLARLAEEQEVNKMTPSNIAIVLGNLLWPPEKEGDQAQLDAASVSSIQVV
GVVEALIQSADTLFPGDINFNVSGLFSAVTLQDTVSDRLASEELPSTAVPTPATTPAPAPAPAPAPAPALASAAT
KERTESEVPPRPASPKVTRSPPEAAPVEDMARRTKRPAPARPTMPPPQVSGSRSSPPAPPLPPGSGSPGTPQAL
PRRLVGSSLRAPTPVPPPLPPTPPQARRQSRRSPASPSASPGPASPSVSLSNPAQVDLGAATAEGGAPEAISG
VPTPPAIPPQPRPRSLASETN

FIGURE 6036

GGACACGAGGGCCGCTGCCCGCGGAGAGAGACGCGCGGCCGGAGGCGCGGCCGCCGCCGCTGCATGAGCAGCGCTGCGA
GAGGCTGCGCGGAGCGGCCCTGCGCGACGTGCTGGGCCGGGCGCAGGGGGTCTCTGTTCGAGCTGTGACGGGGTGCT
GTGGAACGGCGAGCGCGCCGTGCCGGGCGCCCCGAGCTGCTGGAGCGGCTGGCGCGGGCCGCAAGGCGGCTCT
GTTTGTGAGCAACAACAGCCGGCGCGCGCGGCCCGAGCTGGCCCTGCGCTTCGCGCGCCTCGGCTTCGGGGGGCT
GCGCGCCGAGCAGCTCTTCAGCTCCGCGCTGTGCGCCGCGCGCCTGCTGCGCCAGCGCTGCCCGGGCTCCGGA
CGCGCCGGGCGCCGTGTTCTGTGCTGGGCGGCGAGGGGCTGCGCGCCGAGCTGCGCGCCGCGGGGCTGCGCCTGGC
CGGGGACCCGAGCGCGGGGGACGGCGCGGCCCGCGCGTGGCGCGCCGTGCTTGTGGGCTACGACGAGCACTTCTC
CTTCGCCAAGCTGAGGGAGGCGTGGCGGCACCTGCGCGACCCCGAGTGCCCTACTCGTGGCCACCAGCCGTGACCC
ATGGCACCCGCTGAGCGACGGCAGCCGGACCCCTGGCACCGGGAGCCTGGCCGCTGCAGTGGAGACAGCCTCGGG
ACGCCAGGCCCTGGTGGTGGGCAAGCCAGCCCCTACATGTTTCGAGTGCATCAGGAGAACTTCAGCATCGACCC
CGCACGCACGCTTATGGTGGGTGACCGCCTGGAGACCGACATCCTCTTTGGCCACCGCTGCGGCATGACCACTGT
GCTACGCTCACAGGAGTCTCCCGCCTAGAAGAGGCCCAGGCCCTACCTAGCGGCCGCCAGCACGACCTCGTGCC
CCATTACTATGTGGAGAGCATCGCAGACTTGACAGAGGGGTTGGAGGACTGAGCCCACTGCACCTGCAGCCACAG
GCCCCACCCCTCCCCACTCCCTGATCCCGTAGGTGGAGGCGATGGGTACGAGCCATGTTAAGCACAAACGGCTCC
TTGGTCCAGTTCTGCACCGGGGTGGGGCTGGGACCCGGGGAAGGTTTGAGGGCCCTTGCAACCCCTCCAGCAG
TGGCTGGGCACTCTTTGCTGCCCCAGAAGCTGGTCCCCCTATGGATTCACTTTGGCTGACCCAGCCAGGTGGCCT
TATTTCTTCCCTGTCACTCCCTCCCTTGAATCTGGGCCCTGGTGCCCTGCTGAAGATTCCCTCTATCCCTGAGT
ACTTAGTCTTCTCCCCCTTCCCTGGGGCTTCTAGAGCTCTCTGCCCCCTCAGGTCTGGCCCTTGGGTCTTGT
CAACCAGAGGTCTAGGGAACCACAACCCCTATTGTCTGGGTGGACCAATCCAAAGGCTAAGTGATAGTGACTCA
TCAATGTTGGGTCTCTGTTGGGTACCAGTTTAGGTTCCCTAAGTAATAGTGACCCTTTACGTCTTGGAGCCCGAGT
GGACCAATCGGAAGCCTAAGTGACGATGACCCTCGCATGTCTTAGGTCCCTGGGTGGACCATCAGGACCCCAAG
TGATAGTGACCCAGTGGTCTTTTAGATCCTCAGTAGAACAGTCCAGAAGCCTGAGAGACAGTGGCCCCCTTGATAA
TCTGGGTCTCACGGGACCAGCTAGGGGTCCAGGTTTCAGTCAGTAAATAAGAGTGGTCCACGTCTTAAAGACACC
TCTCCTTTACAAAGACTTGTGATGCTCTGGGGCTTCTGTGGCCAAGCCCCACCCCTTCTGGTTCATGGTACCCGT
ACAGCGTTGATGGCCACAGCTCGAAGGGGGGCTTTCGTGTCCCCCTGTGCGGTGAGTGTTCAGTACCACCTCT
CTCCCGTGCCCACTTGGCTATTGTACTTATTATTATTGTGTGTCAGTGATGGTGGGTGGGGGCTGGGCCTTCCC
CGCCACCTCCACCCCTGTTGTGACTTACTTCTTCCGTACTTAATAAAGTGCGCGTGGGAGTGTTAAAAA

6540/6881
FIGURE 6037

MARCELRGAALRDVLGRAQGVLFDCDGVWNGERAVFGAPELLERLARAGKAALFVSNNRRARPELALRFARL
GFGGLRAEQLFSSALCAARLLRQRLPGPPDAPGAVFVLGGEGLRAELRAAGRLAGDPSAGDGAAPRVRAVLVGY
DEHFSFAKLREACAHLRDPECLLVATDRDPWHPLSDGSRTPGTGS�AAVETASGRQALVVGKPSPYMFECITEN
FSIDPARTLMVGDRLETDILFGHRCGMTTVLTLTGVSRLĒEAQAYLAAGQHDLVPHYYVESIADLTEGLED

6541/6881
FIGURE 6038

ATCTCTCTCGGGTGGAGTCCTTCTGACAGCTGGTGCGCCTGCCCGGGAACATCCTCCTGGACTCAATCATGGCCTT
GTGGTCTGGTCGCCAGCAACCTGAATCTCAAACCTGGAGAGTGCCTTCGAGTGCGAGGCGAGGTGGCTCCTGACG
CTAAGAGCTTCGTGCTGAACCTGGGCAAAGACAGCAACAACCTGTGCCTGCACTTCAACCCTCGCTTCAACGCCC
ACGGCGACGCCAACACCATCGTGTGCAACAGCAAGGACGGCGGGGCCTGGGGGACCGAGCAGCGGGAGGCTGTCT
TTCCCTTCCAGCCTGGAAGTGTTGCAGAGGTGTGCATCACCTTCGACCAGGCCAACCTGACCGTCAAGCTGCCAG
ATGGATACGAATTCAAGTTCCCCAACCGCCTCAACCTGGAGGCCATCAACTACATGGCAGCTGACGGTGACTTCA
AGATCAAATGTGTGGCCTTTGACTTGAAATCAGCCAGCCCATGGCCCCCAATAAAGGCAGCTGCCTCTGCTCCCT
G

6542/6881
FIGURE 6039

MACGLVASNLNLKPGECLRVVRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNSKDGGAWGTEQRE
AVFPFQPGSVAEVCITFDQANLTVKLDPGYEFKFPNRLNLEAINYMAADGDFKIKCVAFD

6543/6881
FIGURE 6040

GGGCGGATGGAAGGGGCCGGGGCAGCGTCGGGGAAAGGAAGGGCCGGAGGCGCGGGCGGGCGGCCGAGAGGGG
CGGCGGGCGGGCGGGCGGGGGTTCCCGCGCCGCGGAGCCCGGCCCGAGAGCCGCGTCCACGTTCCCTGCCTCCT
GCTCCCGCCGCCCTGGGGCGCCGCCATGACGCCCGATCTGCTCAACTTCAAGAAGGGATGGATGTCGATCTTGGA
CGAGCCTGGAGAGCCTCCCTCCCCCTCGCTCACCACCACCTCTACTTCGCAGTGGAAGAAACATTGGTTTGTGCT
GACAGATTCAAGTCTCAAATATTACAGAGACTCCACTGCTGAGGAGGCAGATGAGCTGGATGGTGAGATCGACCT
GCGTTCCTGCACGGATGTCAGTACGCGGTGCAGCGCAACTATGGCTTCCAGATCCACACCAAGGATGCTGT
CTATACCTTGTGCGCCATGACCTCAGGCATCCGGCGGAAGTGGATCGAGGCTCTGAGAAAGACCGTACGTCCAAC
TTCAGCCCCAGATGTCACCAAGCTCTCGGACTCTAACAAGGAGAACGCGCTGCACAGCTACAGCACCCAGAAGGG
CCCCCTGAAGGCAGGGGAGCAGCGGGCGGGCTCTGAGGTATCAGCCGGGTGGCCCTCGGAAGGCGGACGGGCA
GCGTCAGGCCCTGGACTACGTGGAGCTCTCGCCGCTGACCCAGGCTTCCCGCAGCGGGCCCGCACCCAGCCCG
CACTCCTGACCGCCTGGCCAAGCAGGAGGAGCTGGAGCGGGACCTGGCCAGCGCTCCGAGGAGCGGGCGCAAGTG
GTTTGAGGCCACAGACAGCAGGACCCAGAGGTGCCTGCTGGTGAGGGGCGCGCCGGGGCCCTGGGTGCCCCCT
GACTGAGGACCAGCAAACCGGCTTAGTGAGGAGATCGAGAAGAAGTGGCAGGAGCTGGAGAAGCTGCCCTGCG
GGAGAATAAGCGGGTGCCCTCACTGCCCTGCTCAACCAAAGCCGCGGAGAGCGCCGAGGGCCCCCAAGTGACGG
CCACGAGGCACTGGAGAAGGAGGTTCAGGCTCTTCGGGCCAGCTGGAGGCGTGCGTCTCCAAGGGGAGGCTCC
TCAGAGTGCAGTGAATCCAGGAGGATGGCCACATCCCCCGGGCTACATCTCACAGGAGGCATGTGAGCGCAG
CCTGGCAGAGATGGAGTCTCGCACCAGCAGGTGATGGAGGAGCTGCAGCGGCACCACGAGCGGGAGCTGCAGCG
CCTGCAGCAGGAGAAGGAGTGCTCCTGGCTGAGGAGACGGCAGCCACGGCCTCAGCCATTGAAGCCATGAAGAA
GGCCTACCAGGAAGAGCTGAGCCGAGAGCTGAGCAAAACACGGAGTCTCCAGCAGGGCCCGGATGGCCTCCGGAA
GCAGCACCAGTCAGATGTGGAGGCACTGAAGCGAGAGCTGCAGGTGCTATCGGAGCAGTACTCGCAGAAGTGCT
GGAGATTGGGGCACTCATGCGGCAGGCTGAGGAGCGCGAGCACACGCTGCGCCGCTGCCAGCAGGAGGGCCAGGA
GCTGCTGCGCCACAACCAGGAGCTGCATGGCCGCTGTCAGAGGAGATAGACCAGCTGCGCGGCTTCATTGCCTC
GCAGGGCATGGGCAATGGCTGCGGGCGCAGCAACGAGCGGAGTTCTGCGAGCTAGAGGTGCTGCTTCGCGTAA
AGAAAACGAACCTCAGTACCTAAAGAAGGAGGTGAGTGCTCCGGGACGAGCTCCAGATGATGCAGAAGGACAA
GCGCTTACCTCGGGAAAGTACCAGGACGTCTATGTGGAGCTGAGCCACATCAAGACACGGTCTGAGCGGGAGAT
CGAGCAGCTGAAGGAGCACCTGCGTCTTGCCATGGCCGCCCTCCAGGAGAAGGAGTCGATGCGCAACAGCCTGGC
TGAGTAGAGGTCCCGCCAGCTGCAGACCCTCCAGGCTGGAGGACCAGCCGCCCTCCTTCCCTCCTGGATGGAAG
TAAAAAGCCAAGCTTTCTCCCCACCTCTGTGGGCCACACGTGCACTTGCAACCACCACACACACACACAC
ACACACACACACACAGACACACAGACACATACGCACACACGTGCACACATGTACACACGGATACACACACACAC
CACACACTGCATATCTGAGCGCGCCCTCGCACTGGGTCTCACCTTGCACTTCTTCAGGATTTTATATGTGAAG
AGATTTTTATATAGATTTTTTTCTTTTTTTTCCAAAACACTTTATACTTTAAAAAAAAAAAAAAAAAAGCAATTCC
TGGTGGCTGTGTGCCTCCAACCCTGGTCCCCCTCTGTCTCCAGCCACCCTCTGCTTGGGCTTCTGAGCTGGTGGC
CCTGGCCCAGAGGTCTGGCGGAGGCCAGGCAGCAGCCATGGCGGGGTGTCTCTACAGGGGAGAGGCGGGAGCCT
GCCACCCTCTTCTGCCCCTACCTCCTACTAACACTTCTGCCCCATTGGACCCGTACCATGGGGCTCAGGACAG
AGGGAGCTAGCAGCTGGCCTCCATGGCCCCACAGCCTCCTTCGAGGCTGTGCTGGGTGCAGAACCGCCAGAGCCA
CCAAAAGGTGTTTCTTCTGCTCCCTGAACCTCTTAACCTTAATAAACGTTCCAGCAGCT

6544/6881
FIGURE 6041

MTPDLLNFKKGWMSILDEPGEPSPSLTTTSTSQWKKHWFVLTDSCLKYYRDSTAEAEDELGEIDLRCTDVTE
YAVQRNYGFQIHTKDAVYTLSAMTSGIRRNWIEALRKTVRPTSAPDVTKLSDSNKENALHSYSTQKGPLKAGEQR
AGSEVISRGGPRKADGQRQALDYVELSPLTQASPQRARTPARTPDRLAKQEELERDLAQRSEERRKWFEATDSRT
PEVPAGEGPRRGLGAPLTEDQQNRLSEEIEKKWQELEKLEPLRENKRVPILTALLNQSRGERRGPPSDGHEALEKEV
QALRAQLEAWRLQGEAPQSALRSQEDGHIPPGYISQEACERSLAEMESSHQQVMEELQRHHERELQRLQKEKEWL
LAEETAATASAIEMKKAYQEELSRELSKTRSLQOGPDGLRKQHQSDEALKRELQVLSEQYSQKCLEIGALMRQ
AEEREHTLRRCQQEGQELLRHNQELHGRLSEEIDQLRGFIASQGMGNGCGRSNERSSCELEVLLRVKENELQYLK
KEVQCLRDELQMMQDKRFTSGKYQDVYVELSHIKTRSEREIEQLKEHLRLAMAALQEKESMRNSLAE

6545/6881
FIGURE 6042

GGGAGGCAGAGGAGGCGGAGGCAGAGGCAGAGGCAGAGGCAGAGCCCGAGCCCGGTGCCGAGACCAAGCGACAGA
CCGCGCGGGGCTGGGCCTCGCAAAGCCGGCTCGGCGAGCTCTCCCGACACCCGAGCCGGGGAGGAAAAGCAGCGAC
TCCTCGCTCGCATCCCCGGGAGCCGCACTCCAGACTGGCCCCGTAGTCAGGGGCTCAGGAGCAGATCCCGAGGCA
GGCTTTGCTCAGCCTCCGACGAGGGCTGGCCCTTTGGAAGGCGCCTTCAACAGCCGGACCAGACAGGCCACCATG
ACCGAGAATTCCACGTCCGCCCCCTGCGGCCAAGCCCAAGCGGGCCAAGGCCTCCAAGAAGTCCACAGACCACCCC
AAGTATTCAGACATGATCGTGGCTGCCATCCAGGCCGAGAAGAACCGCGCTGGCTCCTCGCGCCAGTCCATTTCAG
AAGTATATCAAGAGCCACTACAAGGTGGGTGAGAACGCTGACTCGCAGATCAAGTTGTCCATCAAGCGCCTGGTC
ACCACCGGTGTCCTCAAGCAGACCAAGGGGTGGGGGCTCGGGGTCCTTCCGGCTAGCCAAGAGCGACGAACCC
AAGAAGTCAGTGGCCTTCAAGAAGACCAAGAAGGAAATCAAGAAGGTAGCCACGCCAAAGAAGGCATCCAAGCCC
AAGAAGGCTGCCTCCAAAGCCCCAACCAGAAACCCAAAGCCACCCCGGTCAAGAAGGCCAAGAAGAAGCTGGCT
GCCACGCCCAAGAAAGCCAAAAACCCAAAGACTGTCAAAGCCAAGCCGGTCAAGGCATCCAAGCCCAAAAAGGCC
AAACCAGTGAAACCCAAAGCAAAGTCCAGTGCCAAGAGGGCCGGCAAGAAGAAGTGACAATGAAGTCTTTTCTTG
CGGACACTCCCTCCTGTCTCTATTTTCTGTAAATAATTTTCTCCTTTTTTCTCTCTTGTATGCTCACCACCCT
TTTGCCCCCTTCTGTTCTGACTTTATAAGAGACAGGATTTGGATTCTTCAGAAATTACAGAATAATTCATTTTTC
CTTAACCAGTTGTGCAAGGACAGCAACAACCAATCTAATGATGAGAATGTACTTATATTTTGTTTTGCTATTAAC
CTACTTACGGGGTTAGGGATTTGCGGGGGGGCTTGTGTGTTTTGTGGCTTGTTTGCCATGAAGGTAGATGTGG
GTGGGGAGAAGACACAAGGCAGTTTGTCTGGCTAGATGAGAGGGAACCCAGGAATTGTGAGGTTAGCAGGAATA
TCTTTAGGGTGAGTGAGTTTTCTTTGAGTTGGGCACCCGTTGTGAGAGTTTCAGAACCTTTGGCCAGCAGGAGAG
AGGTGGTAGGGAGCAGCCAGCCGGCAAAGGAAGGAGGGGGAAAAAACCGCCACCGGGCTGACTTCCACCTCCCA
GTGGTGAGCAGTGGGGGCCCAAACCCAGTTTCTTCTCATTTTTGTAGTTTGCGCTTTTCGGCCTCCCTATTTTC
TTAGGGAAGGGGAGTGGGGTCCAAGTGACAGCTGGATGGGAGAAGCCATAGTTTCTCCAGTCAGCTAGGATGTA
GCCATTGGGGGATCTTTGTGGCTTCAGCAAATCTCTTGTTAAACCGGAGTGAAAACCTTCAGGGGAAGGGTGGGG
AGTCAGCCAAGTGCTCAGTGTGCCCTGTTGAAACTTAGGTTTTTCCACGCAATCGATGGATTGTGTCCTAGGAA
GACTTTTTCTTTTCTCTGGATTTTTGTTCCCTCCTGTACAAGAGGTGTCTTTGCTTGGTTTGGTGGGGCTGCGGCC
ACTTAAAACCTCCCGATCTCTTTTTGAGTCCTTTATTATAAGTAGTTGTAGCTGCGGGAGGGGGAGGGGGAGTGG
GCGGGCAGTGGATAGTAAGACTTACTGCAGTCGATTGGGATTTGCTAAGTAGTTTTACAGAGCTAGATCTGTGT
GCATGTGTGTGTTGTGTATATATACATATCTAGGGCTAGTACTTAGTTTCACACCCGGGAGCTGGGAGAAAAAA
CCTGTACAGTTGTCTTTCTCTTATTTTAAATAAAATAGAAAAATCGCGCACTTGCGCGTCCCCCCCCACCCCT
TTTTTAAACAAGTGTTACTTGTGCCGGGAAAAATTTGCTGTCTTTGTAATTTTAAACCTTTAAATAAATTGGAA
AAGGGAG

6546/6881
FIGURE 6043

ATGACCGAGAATTCCACGTCCGCCCCTGCGGCCAAGCCCAAGCGGGCCAAGGCCTCCAAGAAGTCCACAGACCAC
CCCAAGTATTCAGACATGATCGTGGCTGCCATCCAGGCCGAGAAGAACCGCGCTGGCTCCTCGCGCCAGTCCATT
CAGAAGTATATCAAGAGCCACTACAAGGTGGGTGAGAACGCTGACTCGCAGATCAAGTTGTCCATCAAGCGCCTG
GTCACCACCGGTGTCCTCAAGCAGACCAAAGGGGTGGGGCCTCGGGGTCCCTCCGGCTAGCCAAGAGCGACGAA
CCCAAGAAGTCAGTGGCCTTCAAGAAGACCAAGAAGGAAATCAAGAAGGTAGCCACGCCAAAGAAGGCATCCAAG
CCCAAGAAGGCTGCCTCCAAAGCCCCAACCAAGAAACCCAAAGCCACCCTTTTTTTAAACAAGTGTTACTTGTGCC
GGGAAAATTTTGCTGTCTTTGTAATTTTAAACTTTAAAATAAATTGGAAAAGGGAG

6547/6881
FIGURE 6044

MTENSTSAPAAKPKRAKASKKSTDHPKYSDMIVAAIQAEKNRAGSSRQSIQKYIKSHYKVGGENADSQIKLSIKRL
VTTGVLKQTKGVGASGSFRLAKSDEPKKSVAFKKTKEIKKVATPKKASKPKKAASKAPTCKPKATLF

6548/6881
FIGURE 6045

GTCTTTCCGGCGGTGCTCGCAAGCGAGGCAGCCATGCTCTTATCCCGCTGATGATTATGAGTCTGAGGCGGCTTAT
GACCCCTACGCTTATCCCAGCGACTATGATATGCACACAGGAGATCCAAAGCAGGACCTTGCTTATGAACGTCAG
TATGAACAGCAAACCTATCAGGTGATCCCTGAGGTGATCAAAAACCTTCATCCAGTATTTCCACAAAACCTGTCTCA
GATTTGATTGACCAGAAAGTGTATGAGCTACAGGCCAGTCGTGTCTCCAGTGATGTCATTGACCAGAAAGGTGTAT
GAGATCCAGGACATCTATGAGAACAGCTGGACCAAGCTGACTGAAAGATTCTTCAAGAATACACCTTGGCCCCGAG
GCTGAAGCCATTGCTCCACAGGTTGGCAATGATGCTGTCTTCCTGATTTTATACAAAGAATTATACTACAGGCAC
ATATATGCCAAAGTCAGTGGGGGACCTTCCTTGGAGCAGAGGTTTGAATCCTATTACAACCTACTGCAATCTCTTC
AACTACATTCTTAATGCCGATGGTCCTGCTCCCCCTTGAACCTACCCAACCAGTGGCTCTGGGATATTATCGATGAG
TTCATCTACCAGTTTCAGTCATTTCAGTCAGTACCGCTGTAAGACTGCCAAGAAGTCAGAGGAGGAGATTGACTTT
CTTCGTTCCAATCCCAAAATCTGGAATGTTTCATAGTGTCTCAATGTCTTCATTCCCTGGTAGACAAATCCAAC
ATCAACCGACAGTTGGAGGTATACACAAGCGGAGGTGACCCTGAGAGTGTGGCTGGGGAGTATGGGCGGCACTCC
CTCTACAAAATGCTTGGTTACTTCAGCCTGGTCGGGCTTCTCCGCCTGCACTCCCTGTTAGGAGATTACTACCAG
GCCATCAAGGTGCTGGAGAACATCGAACTGAACAAGAAGAGTATGTATTCCCGTGTGCCAGAGTGCCAGGTCACC
ACATACTATTATGTTGGGTTTGCATATTTGATGATGCGTCGTTACCAGGATGCCATCCGGGTCTTCGCCAACATC
CTCCTCTACATCCAGAGGACCAAGAGCATGTTCCAGAGGACCACGTACAAGTATGAGATGATTAACAAGCAGAAT
GAGCAGATGCATGCGCTGCTGGCCATTGCCCTCACGATGTACCCCATGCGTATCGATGAGAGCATTACCTCCAG
CTGCGGGAGAAATATGGGGACAAGATGTTGCGCATGCAGAAAGGTGACCCACAAGTCTATGAAGAACTTTTCAGT
TACTCCTGCCCAAGTTCTGTGCGCTGTAGTGCCCAACTATGATAATGTGCACCCCAACTACCACAAAGAGCCC
TTCCTGCAGCAGCTGAAGGTGTTTTCTGATGAAGTACAGCAGCAGGCCAGCTTTCAACCATCCGCAGCTTCCTG
AAGCTCTACACCACCATGCCTGTGGCCAAGCTGGCTGGCTTCCTGGACCTCACAGAGCAGGAGTTCGGGATCCAG
CTTCTTGCTTTCAAACACAAGATGAAGAACCCTCGTGTGGACCAGCGGTATCTCAGCCCTGGATGGTGAATTTTCAG
TCAGCCTCAGAGGTTGACTTCTACATTGATAAGGACATGATCCACATCGCGGACACCAAGGTCGCCAGGCGTTAT
GGGGATTTCTTCATCCGTCAGATCCACAAATTTGAGGAGCTTAATCGAACCTGAAGAAGATGGGACAGAGACCT
TGATGATATTACACACATTTCAGGAACCTGTTTTGATGTATTATAGGCAGGAAGTGTTTTTGCTACCGTGAAACC
TTTACCTAGATCAGCCATCAGCCTGTCAACTCAGTTAACAAGTTAAGGACCGAAGTGTTCAGTGGATCTCAGT
AAAGGATCTTTGGAGCCAGAAAAAAA

6549/6881

FIGURE 6046

MSYPADDYESEAAYDPYAYPSDYDMHTGDPKQDLAYERQYEQQTYQVIPEVIKNFIQYFHKTVSDLIDQKVYELQ
ASRVSSDVIDQKVYEIQDIYENSWTKLTERFFKNTPWPEAEAIAPQVGNDVFLILYKELYRHIYAKVSGGPSL
EQRFESYYNYCNLFNYILNADGPAPLELPNQWLWDIIDEFIYQFQSFQYRCKTAKKSEEEIDFLRSNPKIWNVH
SVLNVLHSLVDKSNINRQLEVYTSGGDPESVAGEYGRHSLYKMLGYFSLVGLRLHSLLDYDYYQAIKVLNIELN
KKSMYSRVPECQVTTYYYVGFAYLMMRRYQDAIRVFANILLYIQRTKSMFQRTTYKYEMINKQNEQMHALLAIAL
TMYPMRIDESIHLQLREKYGDKMLRMQKGDPOVYEELFSYSCPKFLSPVVPNYDNVHPNYHKEPFLQQLKVSDE
VQQQAQLSTIRSFLKLYTTMPVAKLAGFLDLTEQEFRIQLLVFKHKMKNLVWTSGISALDGEFQSASEVDFYIDK
DMIHIADTKVARRYGDDFIRQIHKFEELNRTLKKMGQRP

6550/6881
FIGURE 6047A

GGCCAAGCCGGGGCCCCGAAGCCAGAGCCGGAGCCGGGCGGGCCGCGGGGTC**ATG**GCTGGGCCGCGGGGCGCGCT
GCTGGCCCTGGTGCCGCCAGTGCGAGGGCTACCGCGCGTGGAGATCCGCGACCTGAGCAGCTCCTTCCGGGA
CGGCCTGGCCTTCTGCGCCATCCTGCACCGGCACCGGCCCGACCTGCTAGATTTTGATTGCTTTCCAAGGACAA
TGTCTTCGAGAATAACCGTTTGGCCTTTGAAGTGGCTGAGAAGGAGCTGGGGATCCCCGCTCTCCTGGACCCCAA
TGACATGGTCTCCATGAGCGTCCCTGACTGCCTCAGCATCATGACCTATGTGTCCCAGTATTACAACCACTTCTG
CAGTCTGGCCAAGCTGGTGTCTCGCCACCCAGAAAGGGCCTTGACCCCTGTTCCCCGCGCTGTGTAGCACCCAC
TCCAGTGGAACCAGAAGATGTGGCTCAGGGCGAGGAGCTCTCCTCAGGCAGCCTGTGAGAGCAGGGCACCGGCCA
GACCCCAAGCAGCAGCTGCGCAGCCTGCCAGCAGCATGTGCACCTGGTGCAGCGCTACCTGGCTGACGGCAGGCT
GTACCATCGCCACTGCTTCCGGTGTGCGCGGTGCTCCAGCACCCCTGCTCCCTGGGGCTTATGAGAATGGGCCTGA
GGAGGGCACCTTTGTGTGTGAGAACTGTGCCAGGCTGGGCGCGGGACACGGTTCGGGGACAGGCTGGGCC
CTTCTCACAGCCAAAGCAGCAGCACCAGCAGCAACTCGCAGAAGATGCCAAGGATGTTCCAGGAGGCGGCCCCAG
CTCCAGTGCTCCTGCAGGGGCTGAGGCCGATGGACCCAAGGCCAGCCCTGAGGCCGCGCGCAGATCCCTACCAA
GCCCCGGGTTCTTGGCAAACCTACAGGAGCTGGCCAGCCCCCTGCGGGCGCGCCCAACCCCTGCCCCAGGAAGGC
CTCTGAGAGCACCAACCCAGCACCCCCACGCCCCGCGCCCGCTCCAGTCTGCAGCAGGAGAACCTGGTGGAGCA
GGCTGGCAGCAGCAGCCTGGTGAACGGGAGACTGCACGAACTGCCTGTCCCAAGCCGAGGGGGACACCGAAGCC
GTCCGAGGGGACACCAGCCCCAGGAAGGACCCCCCATGGATCACGCTGGTGCAGGCAGAACCAAGAAGAAGGCC
AGCCCCACTTCCCCCAAGCAGCAGCCCCGGGGCCACCAAGCCAGGACAGCAGGCAGGTGGAGAATGGAGGCACCGA
GGAGGTGGCCCAGCCGAGCCCAACGGCCAGCCTGGAGTCCAAACCCCTATAACCCCTTTGAGGAGGAGGAGGAGGA
CAAGGAGGAAGAGGCTCCAGCTGCACCCAGCCTGGCCACCAGCCCTGCCCTGGGCCACCCGGAGTCCACACCCAA
GTCCCTGCACCCCTGGTACGGCATCACCCCTACCAGCAGCCCCAAGACAAAGAAGCGCCCTGCCCCGCGCGCACC
CAGCGCGTCCCCACTGGCTCTCCACGCCTCCCGCCTCTGCACTCGGAGCGCCCTCGGCCACACCATCGCCAGC
GCTCAGCGTGGAGAGCCTGTGCTGTGAGAGCGCCAGCCAGACTGCAGGTGCAGAGCTTCTGGAGCCGCCAGCTGT
GCCCCAAGAGCTCCTCAGAGCCTGCTGTCCATGCCCTGGTACCCCTGGAAACCCCTGTGAGCCTCTCTACCAACTC
CTCCCTGGCCTCCTCTGGGGAAGTAGTGAGCCTAGAGTGGAAACAAATGCCTCAAGCCAGCCCTGGCCTTGCCCC
CAGGACCAGGGGAGCTCAGGTCCCCAGCCAGCCAAGCCCTGCAGTGGCGCCACCCCAACGCCTCTCTTGTGGT
TGGAGACAGGAGCCCGGTGCCTTCCCCCTGGAAGCTCGTCCCCACAGCTGCAGGTAAAGTCTCCTGCAAGGAGAA
TCCTTTTAACCGGAAGCCATCACCTGCAGCGTCCCCAGCCACAAAGAAGGCCACCAAGGGATCCAAGCCAGTGAG
GCCACCTGCCCTGGACACGGCTTTCCACTCATCAACGCAAGGTCCAGGCTGACAGTACATCCCTGAGGAGGA
CATCCATGGAGAGATGGATACCATGAGCGCCGGCTGGATGCCCTGGAGCACCCTGGGGTGTGCTGGAGGAGAA
GCTGCGTGGCGGCCTGAATGAGGGCCGTGAGGATGACATGCTGGTGGACTGGTTCAAGCTCATCCACGAGAAGCA
CCTACTGGTGGCGGAGAGTCCGAGCTCATCTATGTCTTCAAGCAGCAGAACCTGGAGCAGCGCCAGGCTGATGT
CGAGTATGAGCTCCGGTGCCTCCTCAATAAGCCAGAAAAGGACTGGACGGAGGAGGACCGGGCCCGGGAGAAGGT
GCTGATGCAGGAGCTTGTGACCCTCATTGAGCAGCGCAACGCTATCATCAACTGCCTGGATGAGGACCGGCAGAG
GGAGGAAGAGGAAGACAAGATGTTGGAAGCCATGATCAAGAAGAAAGAGTTCCAGAGGGAGGCTGAACCTGAGGG
CAAGAAGAAGGGGAAGTTCAAGACCATGAAGATGTTGAAACTGCTAGGAAACAAACGTGATGCCAAGAGCAAGTC
CCCCAGAGACAAGAGCT**TAA**CAGCAGCAGAAAGCCAGTTGGGGACTGCCCCCTCCTGGAGCAGCTCCTGGGCTGTGC
TCTGTTTGAAGGGGCGCCCTGCTCCCCCTCAGATCAGTCAGGAGGAAGATGACTAAGGGGAGGGATCCTCTGGGT
GATGGCCTCTTCTCCTCAGGGACCTCTGACTGCTCTGGGCCAAAGAATCTCTTGTCTTCTCTCCGAGCCCCAGG
CAGCGGTGATTACGCCCTGCCCAACCTGATTCTGATGACTGCGGATGCTGTGACGGACCAAGGGGCAATAGGG
TCCCAGGGTCCAGGGAGGGGCGCCTGCTGAGCACTTCCGCCCTCACCTGCCAGCCCTGCCATGAGCTCTGG
GCTGGGTCTCCGCCTCCAGGGTTCTGCTCTTCCAGGCAGGCCAGCAAGTGGCGCTGGGCCACACTGGCTTCTTCC
TGCCCCATCCCTGGCTCTGAGTCTCTGTCTTCTGTCTGTGAGCGCCCTTGGATCTCAGTTTCCCTCACTCA
GGAACCTCTGTTTCTGAAGTCTTCAGTTAAGTTTGAAGTTTATGACTGAGTGGCCTGTACTGTGACAGCTGAATGGG
CCTGACGGGCAATCCATCCCTCTCTCCCTCACAGTTCCAGGAGCGGCTTCCCTCGTCTCCCTTACTCCACAGG
GAGCCTCCCTTGGCAGGACCAGGGCTGCGACGGCCATGTGGGGCAGGTGAGTGTCTGTTAGCTGCTCCAGTG
CTGTCCCCAGGCTGCAGTTCTGGTCCCTGGTGTGAGGTAGGAAGGGTGCACCTGAAGCAGGTGCTCATCTCGGT
TCCTTAACGTTTATAGTCTGACCCCTCACTTAGGCTTTCTCTGCCACCCCGGTCCAGGAAGAGGCTCGCTCCC
GCCATGGTCATCACTGGTCTGTCTGCTCTGTTGTCTGTTCTTCCCTGACTCCCTCCACCGAAGGCCTGATGG

6551/6881
FIGURE 6047B

CTACTCACCCTCTGGGATGGCTATGGGAGAGGAGGAGTGATGGGGACCGCCACCTTTTCTGCAGGAAATGTGCC
CAGCAGCTCTTGGTCAAAGCACTGTTGCTATAAGCTATCTCTGGGATGCCTCTAGGCCCCCTTCCCTCTACACAC
CTCTGGGAAAAGATTACACTGTATTAAGTCTCGAGGAGTTTCCCTCACCATAAACAGACAACCTCAACTGCCAGT
GCCCTGCAGCCTCGGGCCACAGCGGCAGCCTTGTTTGCTTCCCACCTGCCTCTGCCACACCTGGTGGCTGAACA
TCTCTGGTGCAGCCAGAGGCCATGTTGGGGCCATCCTCCAAGAGGGATCTCTGCCCTCACCCTGCCACTGGGCA
GGATCCCTTTTCTCTGCAGGGAGAGGTGGCTCCTCGGCCATGCAGCCCCTGGCAGGCTCCTTCTAAACATGCCTG
TTGACCTGGAGCTGGCGCCACCAACTCCAGGGCCTTTCCAGGGCCAGACAGGTAACACGCATGAACCCGAGTGAC
AGCTCTGACGGGCTGTTTCGGTGTGAGGAGACAAAGCTGGCAGGGGCAGGGGTGAACTGGAGGCAAGTCAAGTCA
CCTGTGGCCTGTGGGGCTGAATGTGGGGCCGGTGTGCCAGATCCTTTGTCATAAGAAGCTAGAAATCCAGATTT
TATGTGTGTGTAATTTGTAAATGCTGAAAGCTAGCCTGAATTTTTTTTTTTTTTTTTTTGAGACAGAGTCTCGCTC
TGTCGCCCAGGCTGGAGTGCAGTGGCGCATCTCAGCTCACTGCAAGCTCCGCCTCCTGGGTTTCACGCCATCCTC
CTGCCTCGGCCTCCTGAGCAGCTGGGACTACAGGCGCATGCTACGACGCCTGGCTAATTTTTTTGTATTTTTTAGTA
GAGACGGGGTTTACCGTGTTAACAGGATGGTCTCGATCTCCTGACCTTGTGATCCACCCACCTTGGCCTCCCA
AAGTGCTGGGATTACAGGCGTGAGCCACCACGCGCGGCCACTAGCCTGAATTTCAATCAAGGGTTGGCTGATACT
GTGTGTCCAGGGTGGACTGGATTTGTCTGGGGGGTTCTCTGGTTTGCTGCCTCCTGACCACATGATGGGGCCTT
CGAGGTCGAGGACAAGTGTCCCATTAGATTGCACCTCTGCCCTCAGGTTCTTGAGGGTGTGTGGACACAGAGG
CTTTCCATGGGATGTCCCTGAGCCGGCCCTTGATTGGGGCCTCACCATTACAGGGCCGTTTTATTCTGCAAACC
GAACTTGGGTCATGTGACCTGATGGGATTATGGGACTCCCTCCAGGTGCCCGAGACAAGGTTGATATTTCCAAA
ATATTTTGGTGATTTAGTGGGACAAGCAAATGACAGAATACCGGAGAAGGCAGGGATCGTGGGTGTCAGGAGCCA
GAGGGGAGGGGGACAGATGTGCTGTGTACAGGACAAGGTGTCAGGTGACTCCTTCCCAGCAGGGCCTCGCAGATG
CACAAGCACGGAGCTGGTGGGTTTTGCCCAAGAAAGGTCACGCGGCACATGCAGGGATTGGAAGTCCCAGGCCAG
GGCTCTAGGTGCTCCCACCTTTTCATGTTTCTTTCTGTGGCCATGGGTATAGTGGAAGACATAAAGCTAAAGC
CACTTTTAATCCTGAATGCACTGCTTGCCAGGTAAATGCCCTTGTTGTGGTATCTTGTTGAGACTTAGTTTTTC
ACAGAGGGATAATGAACCGTTGCAGAGGTTTATTGAGATCATTACAGAGTGGAATTCAGCACCCGCCACAGCAG
CCAGCCATGGG

6552/6881
FIGURE 6048

MAGPRGALLAWCRRQCEGYRGVEIRDLSSSFRDGLAFCAILHRHRPDLLDFDSLSDNVFENNRLAFEVAEKELG
IPALLDPNDMVSMSPDCLSIMTYVSQYYNHFCSPGQAGVSPPRKGLAPCSPPSVAPTPVEPEDVAQGEELSSGS
LSEQGTGQTPSSTCAACQQHVHLVQRYLADGRLYHRHCFRCRRCSSTLLPGAYENGPEEGTFVCAEHCARLGP
RSGTRPGPFSQPKQQHQQLAEDAKDVPGGGPSSAPAGAEADGPKASPEARPQIPTKPRVPGKLQELASPPAGR
PTPAPRKASESTTPAPPTPRPRSSLQQENLVEQAGSSSLVNGRLHELPVPKPRGTPKPSGTPAPRKDPPWITLV
QAEPKKKPAPLPPSSSPGPPSQDSRQVENGTEEEVAQPSPTASLESKPYNPFEEEEEDKEEEAPAAPSLATSPAL
GHPESTPKSLHPWYGITPTSSPKTKKRPAPRAPASPLALHASRLSHSEPPSATPSPALSVESLSSESASQTAGA
ELLEPPAVPKSSSEPAVHAPGTPGNPVSLSTNSSLASSGELVEPRVEQMPQASPGAPRTRGSSGPQPAKPCSGA
TPTPLLLVGDRSPVPSFGSSSPQLQVKSSCKENPFNRKPSAASPATKKATKGSKPVRPPAPGHGFPLIKRKVQA
DQYIPEEDIHGEMDTIERRDALEHRGVLLEEKLRGGLNEGREDMLVDWFKLIHEKHLLVRRESELIYVFKQON
LEQRQADVEYELRCLLNKPEKDWTEEDRAREKVLQMELVTLIEQRNAIINCLDEDROREEEEDKMLEAMIKKKEF
QREAEPEGKKKGKFKTMKMLKLLGNKRDAKSKSPRDKS

FIGURE 6049

GTCCGCCAGGGTGGTTGGTTGGTTAGGATTACGGCTCCGTCTTAACGAGGCCGTGGCCTGAGGCTCAGGGCCCCC
CGCCCCCTCCCTCCCAGCCACCGAGCTACCTCCCAGCCCCGAGCTGGACCGCACACCTTGGGACACGGTTTTCC
ACTTCTTAAGGACGAGCCCCAGACTGGAGGAGAGGTCCGAGGAGGTGGGCGTTGGACTCTTTGCGAGGACCCCGG
CGGCTGGCCCCGGGGAGGCGGCCGAGGCGGCGGCGGCGGCCGGGGGCGACATCGCGGAGGAGCAGGACCTAT
CGGAGGTGGAGCTGAGCCCCGTGGGCTCGGAGGAGCCCCGCTGCCTGTCCCCGGGGAGCGCGCCCTCGCTAGGGC
CCGACGGCGGCGGCGGCGGATCGGGCCTGCGAGCCAGCCCGGGGCCAGGCGAGCTGGGCAAGGTCAAGAAGGAGC
AGCAGGACGGCGAGGCGGACGATGACAAGTTCCCCGTGTGCATCCGCGAGGCCGTACGCCAGGTGCTCAGCGGCT
ACGACTGGACGCTGGTGCCCATGCCCGTGCGCGTCAACGGCGCCAGCAAAAGCAAGCCGCACGTCAAGCGGCCCA
TGAACGCCTTCATGGTGTGGGCTCAGGCAGCGCGCAGGAAGCTCGCGGACCAGTACCCGCACCTGCACAACGCTG
AGCTCAGCAAGACGCTGGGCAAGCTCTGGAGGCTGCTGAACGAAAGTGACAAGCGCCCCCTTCATCGAGGAGGCTG
AGCGGCTCCGTATGCAGCACAAAGAACCCGGACTACAAGTACCAGCCAGGCGGCGGAAGAACGGGAAGG
CCGCCCAGGGCGAGGCGGAGTGCCCGGTGGGGAGGCCGAGCAAGGTGGGACCGCGCCATCCAGGCCCCACTACA
AGAGCGCCCACTTGGACCACCGGCACCCAGGAGAGGGCTCCCCATGTTCAGATGGTAACCCCGAGCACCCCTCAG
GCCAGAGCCATGGCCACCCACCCCTCCAACACCCCGAAGACAGAGCTGCAGTCGGGCAAGGCAGACCCGAAGC
GGGACGGGCGCTCCATGGGGGAGGGCGGGAAGCCTCACATCGACTTCGGCAACGTGGACATTGGTGAGATCAGCC
ACGAGGTAATGTCCAACATGGAGACCTTTGATGTGGCTGAGTTGGACCAGTACCTGCCGCCCAATGGGCACCCAG
GCCATGTGAGAGCTACTCAGCAGCCGGCTATGGGCTGGGCAGTGCCCTGGCCGTGGCCAGTGGACACTCCGCT
GGATCTCCAAGCCACCAGGCGTGGCTCTGCCACGGTCTCACCACCTGGTGTGGATGCCAAAGCCCAGGTGAAGA
CAGAGACCGCGGGGCCCCAGGGGCCCCACACTACCCGACCAGCCATCCACCTCACAGATCGCCTACACCTCCC
TCAGCCTGCCCCACTATGGCTCAGCCTTCCCCTCCATCTCCCGCCCCCAGTTTGACTACTCTGACCATCAGCCCT
CAGGACCCTATTATGGCCACTCGGGCCAGGCTCTGGCCTCTACTCGGCCTTCTCCTATATGGGGCCCTCGCAGC
GGCCCCCTCTACACGGCCATCTCTGACCCAGCCCTCAGGGCCCCAGTCCCACAGCCCCACACACTGGGAGCAGC
CAGTATATACGACACTGTCCCAGGCCCTAAAGGGGGCCCTGTGCCACCACCCCCCGCCAGCCCCCTGCCCCCAGC
CTGTGTGCCCTGTTTCTTGGCCACCTCAGGCTGGTGGTGGCAGTGGAGGAGGCTGAGGAGGCTGAAGAGGCTGA
CAGGTGCGGGGGCTTTCTGTCTGGCTCACTGCCCTGATGACCCACCCGCCCATCCAGGCTCCAGCAGCAAAGCC
CCAGGAGAACAGGCTGGACAGAGGAGAAGGAGTTGACTGTTGCACCCACACTGAAAGATGAGGGGCTGCACCTT
CCCCCAGGAATGACCCTCTATCCCAGGACCTGAGAAGGGCTGCTCACCCTCCTCGGGGAGGGGAAGCACCAGGG
TTGGTGGCATCGGAGGCCTTACCCTCCTATGACTCCTGTTTTCTCTCTCACAGATAGTGAGGCTCTGACATGCC
CATGCCACCTATGCCACAGTGCCTAAGGGCTAGGCCACCCAGAGACTGTGCCCGGAGCTGGCCGTGTCTCCCACT
CAGGGGCTGAGAGTAGCTTTGAGGAGCCTCATTGGGGAGTGGGGGGTTTCGAGGGACTTAGTGAGATTCTCATCCC
TTCAATGCCCCCTCCCTTTTCTGAAGGCAGGAAGGAGTTGGCACAGAGGCCCTGATCCAATTCTGTGCCAATAA
CCTCATTCTTTGTCTGAGAAACAGCCCCCAGTCCCTCCTCCACTACAACCTCCATGACCTTGAGACGCATCCCAGG
AGGTGACGAGGCAGGGGCTCCAGGAAAGGAATCAGAGACAATTCAGAGACCTCCCTCCCTGGGCTCCTTGCCAG
CTCCCTCTTCCCTTACTAGGCTCTATGGCCCTGCTCAGTCAGCCCCACTCCCTGGGCTTCCAGAGAGTGACAG
CTGCTCAGGCCCTAACCTTGGCTCCAGGAGACACAGGGCCAGCACCCAGGTTGCTGTGCGGCAGGCTGAAGACA
CTAGAATCCTGACCTGTACATTCTGCCCTTGCTCTTACCCCTTGCTCCAGTGGTATTTGAATAAAGTATGTA
GCTATATCTGCCCTATTTTCTGTTCTGCGAGCCCCCAAATCCACATGTAATCATTACTGTCTCCTGTTATTT
ATCTCAGTAGTCCCTCTCCTAGCCACTCTAGCCCCCTATTAATCTGCATTAAAGCATTCCACATAATAAATTA
AGGTTCCGGTTAAAAAAAAAAAAAAAAAAAAA

6554/6881
FIGURE 6050

MAEEQDLSEVELSPVGSEEPRLSPGSAPSLGPDGGGGGSGLRASPGPGELGKVKKEQQDGEADDDKFPVCIREA
VSQVLSGYDWTLPMPVRVNGASKSKPHVKRPMNAFMVWAQAARRKLADQYPHLHNAELSKTLGKLWRLNESDK
RPFIEEAERLRMQHKKDHPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGTAAIQAHYKSAHLDHRHPGEGSPMSD
GNPEHPSGQSHGPPTPPTTPKTELQSGKADPKRDGRSMGEGGKPHIDFGNVDIGEISHEVMSNMETFDVAELDQY
LPPNGHPGHVSSYSAAGYGLGSALAVASGHSAWISKPPGVALPTVSPPGVDAKAQVKTETAGPQGPPHYTDQPST
SQIAYTSLSLPHYGSAPFISISRPQFDYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQRPLYTAISDPSPSGPQSH
SPTHWEQPVYTTLSRP

6555/6881
FIGURE 6051

CTGGGGGTCCGTTCCCCAACTTCCTCGGCGCTCCGGACTCCCAAGTCTCCGCCGGACCCTCCTTTGGATATTCT
CGTGTCTCCGATTCTGAGAGAGGGGAAGACGGTGGGGCCTCCCCACCTGCCCCGCAGAAGATGCAGTTCTTTGG
CCGCTTGGTCAATACCTTCAGTGGCGTCACCAACTTGTTCTCTAACCATTCCGGGTGAAGGAGGTGGCTGTGGC
CGACTACACCTCGAGTGACCGAGTTCCGGAGGAAGGGCAGCTGATTCTGTTCCAGAACACTCCCAACCGCACCTG
GGACTGCGTCCTGGTCAACCCCAGGAAGTACAGAGTGGATTCCGACTCTTCCAGCTGGAGTTGGAGGCTGACGC
CCTAGTGAATTTCCATCAGTATTCTTCCAGCTGCTACCCTTCTATGAGAGCTCCCTCAGGTCTGCACACTGA
GGTCTGCAGCACCTGACCGACCTCATCCGTAACCACCCAGCTGGTCAGTGGCCACCTGGCTGTGGAGCTAGG
GATCCGCGAGTGCTTCCATCACAGCCGTATCATCAGCTGTGCCAATTGCGCGGAGAACGAGGAGGGCTGCACACC
CCTGCACCTGGCCTGCCGCAAGGGTGATGGGGAGATCCTGGTGGAGCTGGTGCAGTACTGCCACACTCAGATGGA
TGTCACCGACTACAAGGGAGAGACCGTCTTCCATTATGCTGTCCAGGGTGACAATTCTCAGGTGCTGCAGCTCCT
TGGAAGGAACGCAGTGGCTGGCCTGAACCAGGTGAATAACCAAGGGCTGACCCGCTGCACCTGGCCTGCCAGCT
GGGGAAGCAGGAGATGGTCCGCGTGCTGCTGTGCAATGCTCGGTGCAACATCATGGGCCCAACGGCTACCC
CATCCACTCGGCCATGAAGTTCTCTCAGAAGGGGTGTGCGGAGATGATCATCAGCATGGACAGCAGCCAGATCCA
CAGCAAAGACCCCCGTTACGGAGCCAGCCCCCTCCACTGGGCCAAGAAGCGCAGAGATGGCCCGCATGCTGTGAA
ACGGGGCTGCAACGTGAACAGCACCAGCTCCGCGGGGAACACGGCCCTGCACGTGGCGGTGATGCGCAACCGCTT
CGACTGTGCCATAGTGCTGCTGACCCACGGGGCCAACGCGGATGCCGCGGAGAGCACGGCAACACCCCGCTGCA
CCTGGCCATGTGAAAGACAACGTGGAGATGATCAAGGCCCTCATCGTGTTCGGAGCAGAAGTGGACACCCCGAA
TGACTTTGGGGAGACTCCTACATTCTAGCCTCCAAAATCGGCAGACTGTACACAGGAAGGCGATCTTGACTCT
GCTGAGAACCCTGGGGGCCGAATACTGCTTCCACCCATCCACGGGGTCCCCGCGGAGCAGGGCTCTGCAGCGCC
ACATCATCCCTTCTCCCTGGAAAGAGCTCAGCCCCACCGATCAGCCTAAACAACCTAGAACTACAGGATCTCAT
GCACATCTCACGGGGCCCGGAAGCCAGCGTTTCATCCTGGGCTCCATGAGGGACGAGAAGCGGACCCACGACCCT
GCTGTGCCTGGATGGAGGAGGAGTGAAAGGCCTCATCATCATCCAGCTCCTCATCGCCATCGAGAAGGCCTCGGG
TGTGGCCACCAAGGACCTGTTTGAAGTGGGTGGCGGGCACCAGCACTGGAGGCATCCTGGCCCTGGCCATTCTGCA
CAGTAAGTCCATGGCCTACATGCGCGGCATGTACTTTCGCATGAAGGATGAGGTGTTCCGGGGCTCCAGGCCCTA
CGAGTCGGGGCCCTGGAGGAGTTCTGAAGCGGGAGTTTGGGGAGCACACCAAGATGACGGACGTCAGGAAACC
CAAGGTGATGCTGACAGGGACACTGTCTGACCGGCAGCCGGCTGAACTCCACCTCTTCCGGAACCTACGATGCTCC
AGAACTGTCCGGGAGCCTCGTTTCAACCAGAACGTTAACTCAGGCCCTCAGCTCAGCCCTCAGACCAGCTGGT
GTGGCGGGCGGCCGAAGCAGCGGGGCAGCTCCTACTTACTTCCGACCCAATGGGCGCTTCTGGACGGTGGGCT
GCTGGCCAACAACCCACGCTGGATGCCATGACCGAGATCCATGAGTACAATCAGGACCTGATCCGCAAGGGTCA
GGCCAACAAGGTGAAGAACTCTCCATCGTTGTCTCCCTGGGGACAGGGAGGTCCCCACAAGTGCCTGTGACCTG
TGTGGATGCTTCCGTCCAGCAACCCCTGGGAGCTGGCCAAGACTGTTTTTGGGGCCAAGGAAGTGGGCAAGAT
GGTGGTGGACTGTTGCACGGATCCAGACGGCGGGCTGTGGACCGGGCACGGGCCTGGTGCAGATGGTCGGCAT
CCAGTACTTCAGATTGAACCCCAAGCTGGGGACGGACATCATGCTGGATGAGGTGAGTGACACAGTGTGGTCAA
CGCCCTCTGGGAGACCGAGGTCTACATCTATGAGCACCGCGAGGAGTTCCAGAAGCTCATCCAGCTGCTGCTCTC
ACCCTGAGGGTCCCCAGCCTCTCACCGGCCCAAGCTGACCTCGTCCATTACGCCCTGCCAGGCCAAGCCCAGCC
ACTGCCCTCCCGGGCAGATCTGGGGCCAGGCACCTCTGAGTCCATAGACCAGGCCTGGGAGAATGCCAAGCTGCC
TGCCCCGAGGCTGGTCTGAAGGCCTGTCTCCCACTAACCCCGCCTTCCAGCACTTCTGTGATTCCAGGCTGGGA
AAGTCTAGAGCCCCCTTTGGCCCCCTTCCCTGACTGTCAAGGACAAGTACTCCCCCATCAGCTCAAACATTAAG
GGTACCCGGGCACAACCGTACCCCTGCCCCAGCCCCAGCCTCCCTGAGGGCCTGCCGGGCTGCCTCTGCCCCAG
CCCCAGCAAGGGCACTCCAGGCTTCTGGTGGGTGCAGCCCACTCCCTCTGCCCTCTGCTCCGTTCCCTGGGG
GCTGGGACTAAAGAAATGGGTGTCCCCACCCCATCAGCTGGGAAAGCCCAGGCCGAGGAGTGGGATGCCCGTT
GGACTTTGCCCTCACACTGGCCCAGCCCCCTCACACTGCCCCACCCGAGAACCCTCAGCTCTCAAAGGTCACTC
CTGGGAGTTTCTTCTTCCCAATGGAAGTGGCTTAAGAGCCAAAAGTGAATAAATCATTTGGATTCAAGTTC

6556/6881
FIGURE 6052

CTTACAACTCCGCGCGGCCTCGGCCCCCTGCGCCGCCGCCGCCCAACAACAACTCAGCGCAGCGCTCCCGGGCGC
CCGGTTCAGAGCGACCTGCGGCTCAGAGCGGAGGGGAGACTGACCGGAGCGCGGATCGGGACAGCGGCCGGGACA
GCGGCGAGACGCGCGTGTGTGAGCGCGCCGGACCAAGCGGGCCAGAAAGCGGGTCTGCAGCCCAGAGGGCACCTT
CTGCAAACTGCTGTGTGGATCCCCTATCCAGCAAAGCTCTAAAGATCAAGCGAGAGCTGAGCGAGAACACGCCGC
ACCTGTGCGACGAGGCGCTGATGGGGCTGTGCGGTGCGCGAGCTGAACCGGCATCTGCGCGGGCTCTCCGCCGAGG
AGGTGACACGGCTCAAGCAGCGGCGCCGCACACTCAAAAACCGTGGCTACGCCGCCAGCTGCCGCGTGAAGCGCG
TGTGCCAGAAGGAGGAGCTGCAGAAGCAGAAGTCGGAGCTGGAGCGCGAGGTGGACAAGCTGGCGCGCGAGAACG
CCGCCATGCGCCTGGAGCTCGACGCGCTGCGCGGCAAGTGCGAGGCGCTGCAGGGCTTCGCGCGCTCCGTGGCCG
CCGCCCGCGGGCCCGCCACGCTCGTGGCGCCGGCCAGCGTCATCACCATCGTCAAGTCCACCCGGGCTCGGGGT
CTGGCCCCGCCACGGCCCGGACCCCGCCACGGCCCGCCTCCTGCTCCCTAGTGCCCCCGCCATGCCTCA
GCCACGCCCCCTCCGGCCTCAGCTCCCTCCCCAAAGTGCCTGAGCGCCGCTCTGTGCCAGGTCCCATTTCTCTG
CAGCACTGGCCCCCTTGGTGCACACACATTCCCTTCGTGGGCCCTGTCTTCTTGCAGCCCCCAACTGGGAC
CGAATGACCCTGGGAAGGGGAAGTTGGGTAGGTTGGGGATGGGGCAGAGGTCTGGATCTGGGATCGCCCTTGGCT
GAAAGTTTAGCCTTTTTTAGATTGAGAGATACAGAGCCGGCTTAGAGAACAGCTGTTGGGGGAGAAGAGGGCACCC
CTCATCTTGGAAACTGCTCTTATGTGCCAATATGCCCTCCAAACCCTCCCAGGATTCAAAGCTAGGTTTGGCTG
TCTGTGACTTACGGGACCGTCTTGTGAGAAATTGCACTGAAGAGATGCCCCACCTCTGGTTGGGCTGGGGGT
GCCTGGCCTTCCGAAACTAAAAGAGTGGGTGGGAAGACTAGTGAAACCCAGTTACGGATGGGGAAACAGGCCTG
AGGTCACATTTCACTTAGTGTTGTGTGGGACCAAAACCTGGGTGTCCTCACTGCTGAGTCCAGCCATGGTTTT
CAGGGGGACAGTGGACAGGGACTCAGAAATGTGGTGGGAGGGCCTCCCTGGCTTGGGAGACCGCTCTCTGCAAGG
GAGGGGGAGAGAAGCAGAGGGAGAGAGAAGGTGACACGGATGGAAGAGTGGGAAGGAGCTGGCCTGGCTCAGCCC
TAGGCTGTCCCTGCAGCCAGGGTGTCCGGGGGCTGGCCAGTCAGAGAAAGGGGGCCATGGACTGCTGTGGCAAAT
AGGGAGACAAGGAGACAGACCCTGCAGTCTACTACAGTCTGGAGTGGGGTCTTAAGAAGAAGGGTCCCACCTCA
ACCCCTGTCACTGTCCACTGTGGGGTGGGGGCTGACCCCTGCCTTTGATTGTCACTTCTCTGGGAAGCCAGTCT
CAGTCCCTCCCCAACACTGTCCACACTGCCCCCTCCCCACTGTTTATTTATTGCACGGATCTAAGTTATTCTCCC
CAGCCAGAGCCCGAGCTCCTGCTCCCTGGGAAAAGTGGCGTATGGCCCTGAGCTGGGCTTTATATTATATATCTG
CAAATAAATCACATTTTATCTTATATTTAGGGAAAGCCGGAGAGCAACAACAAAAAATGTTTAAAGCCGGGCGCGG
TGGCTCACATCTGTAATCCAGCACTTTGGGAGTCCAAGGAGGGGGATCGCTTGAGTCCAGGAGTTTGAAGACCAG
CCTGGACAACATGGTGAAACCCCGTCTCTACAAAAAATACAAAAATTAGCCATGCATGGTGGCTCATGCCGTGAG
TCCCAGCTACTTGGGAGGCTGAGGCAGGAGGATCACTTAAGCCCAGAAGGCAGAGGTTGTAGTGAGCTGAGATCG
CACCCTGCACTCCAGCCTGGGCAACATAGCAAAATCCTGTCTCAAAAAAAGTTAAAAAATATTGCCCGGCTC
CTAGAATTTATTTATTTCTGACTTACAGCAAGCGAGTTATCGTCTTCTGTATTTTGTAGACTTTCTAAATAAAG
TCAAATCTTTCTTTTCCACAGAAAAA

6557/6881
FIGURE 6053

MSVDPLSSKALKIKRESENTPHLSDEALMGLSVRELNRLRGLSAEEVTRLKQRRRTLKNRGYAASCRVKRVCQ
KEELQKQKSELEREVDKLARENAAMRLELDALRGKCEALQGFARSVAAARGPATLVAPASVITIVKSTPGSGSGP
AHGPDPAHGPASCS

6558/6881
FIGURE 6054

CGCCGGCGGGCGGGGAGACTCCGGGGCTGCGGCGCCGCCCGCCCCGCGCAGAGTCCGGCTGCCGCGCATCGTC
CGCAGACGCCGCCACCGCCATGGGCTCCTGAGGCTAGCTTGTCACTTTCTGCAAAGGTTTCCCTCAGGGAGCCTC
CTGCTGCCAGGCACCATGACAGTGAGGGGGGATGTGCTGGCCCCGGATCCAGCGTCGCCACGACCGCAGCAGCC
TCGCCACGCTCTCCGTGATCCCCGAGGGCAGCCCCACTGCCATGGAGCAGCCTGTGTTCTGATGACAACCTGCC
GCTCAGGCCATCTCTGGCTTCTTCGTGTGGACGGCCCTGCTCATCACATGCCACCAGATCTACATGCACCTGCGC
TGCTACAGCTGCCCCAACGAGCAGCGCTACATCGTGCGCATCTCTTCATCGTGCCCATCTACGCCTTTGACTCC
TGGCTCAGCCTCCTCTTCTTACCAACGACCAGTACTACGTGTACTTCGGCACCGTCCGCGACTGCTATGAGGCC
TTGGTCATCTATAATTTCTGAGCCTGTGCTATGAGTACCTAGGAGGAGAAAGTTCCATCATGTGCGGAGATCAGA
GGAAAACCCATTGAGTCCAGCTGTATGTATGGCACCTGCTGCCTCTGGGGAAAGACTTATTCCATCGGATTTCTG
AGGTTCTGCAAACAGGCCACCCTGCAGTTCTGTGTGGTGAAGCCACTCATGGCGGTGAGCACTGTGGTCTCCAG
GCCTTCGGCAAGTACCGGGATGGGGACTTTGACGTACCAGTGGCTACCTCTACGTGACCATCATCTACAACATC
TCCGTACGCTGGCCCTCTACGCCCTCTTCTCTTCTACTTCGCCACCCGGGAGCTGCTCAGCCCTACAGCCCC
GTCTCAAGTTCTTCATGGTCAAGTCCGTCTCTTTCTTTCTTCTGGAAGGCATGCTCCTGGCCATCCTGGAG
AAGTGTGGGGCCATCCCCAAAATCCACTCGGCCCGCGTGTGCGTGGGGCAGGGCACCCTGGCTGCCGGCTACCAG
GACTTCATCATCTGTGTGGAGATGTTCTTTGAGCCCTGGCCCTGCGGCACGCCTTCACCTACAAGGTCTATGCT
GACAAGAGGCTGGACGCACAAGGCCGCTGTGCCCCATGAAGAGCATCTCCAGCAGCCTCAAGGAGACCATGAAC
CCGCACGACATCGTGCAGGACGCCATCCACAACCTTCTACCTGCCTACCAGCAGTACACGCAGCAGTCCACCCTG
GAGCCTGGGGCCACCTGGCGTGGTGGCGCCACGGCCTCTCCCGCTCCACAGCCTCAGTGGCGCCCGCGACAAC
GAGAAGACTCTCCTGCTCAGCTCTGATGATGAATTCTAGGTGCGGGCTGCAGTGGCGGAAGTGTGGCGCCATAG
CCACGGTCAGGCTGTGCCCCACCTCCAGCCTCACCACAGGCCAGGAGCAGCTGGCACAGTGTCTACGCCGCTT
TTATTTATTGGACCAGAAACACTCACATGTCACTTCCAGAGGAACGGGGGACAGCCAGGCTCGCCCATGGGCCTT
CAGGAATATTTATACATGGCCAGCCTGCACTGCCCGGGCGAGGGCAGAGCACTGGGAGCAAGGCTTATGCC
CTGCTGCCCGTCTGTGCTGGGGCATGCTGGGACCAGCCGCACCCAGGCCCAATGCTTGTGTGTGGACCAGCG
GCTGCAGCCTTCTAGCCCTCCTCCCCGCGAGACTCTCAGGCTGAGGTGGCAAGCCGTGGCTCCCCACACACC
GTGCAATACCCTGTCTGACCTGGGCTCTTCCCGCTGCATCCCTCCCTGTCCACCTTTGTCCAGTGTAGATTC
ACCTCACCCCGGGCAGGAGTGGGGATGTGGGCGCTCTGTGGTCTCCCTCCTGACCCAGGCCTCTGTGGCATGC
TGCAAGGATCAGAGCCAGACACCAGGAGTACAGGCCCCACCCAGGAAGGGCATTAGGGCCCCCTGGGCACCGCT
TCTGTGAAGCAGGGGCTTCTGGGCCCCCTGGGTATCCCCACCTGTGCTGGCCACACCTCTGCCTGCCTCATGCC
CTTCCCCCTGGCCTACCAAGGACAGCCACAGCCCGCACTGCCGGCTCACTTGGGTCTTCTTCGATAGCTTTGG
GCAGAGCCCTTGCTTCTGGCTGCTTACAGGGCTCAGGGGCTCCAGCCCTCCTTCCCAGGCTGATGCTGGGTCTT
CTCTCTTTGGGGCTTCTCCCTCCCGTTTACAGGGGAAAGGTCTGAGTCTCCACGTTTCAGACCAGCTTCTGGGG
GAAGGCAGTCCGGCAGGGAGACCGGGAGGGGTGGCCACACAGTGGGGAGCTGGGAGGTGGGGGGAATGGTCCAG
ACTCCTCTCGGGGCCCTATCCACACAGGGCCTGGTGTCTACCCCATCTGGCCCCCTGGCCCATCTCTTCTGTGC
CTTAGTCACATATGAAAGCGCCCCCTCCCTGGCTCCCATCTGTCCACACGCTCCCTGGGGCTCTTAGTTACAGT
GCTGGCACTCGCAGGATCCTGCAGTGTGGGCCAGAGCCCTTGGACAGGCCTCAGGAGTGGTCAGGACCACAA
GCCCCCTCTCCCCCTCCACACCTCTAGACCTGGGGCTCCGGAACCCCCAGCAGGCTGGGCTTATACTAGCTC
CTGACTTAGGAAGAGCCTCGTGTACAAACAGTGTCCCTACAGGCAAAGTGTCTTGGCATTAAAAACCCAGATTA
TCCCTGGGTTTGGGCTGCAGTCACCTGGAGAAGCTGGTAGGGTAAGGGAGAGGGACCCTGCCGGTGTTCAGTGGG
GATTCTTTCTTTTGGTCTTCTGGAATGAACAGGTTCCCTCCCTGCCACCTGTGAGGAGAGTTGGGGCCAGCC
GTCTTCTGGCCTCCTTCTTCTCGTGGCAGAGGCCTGCATGTGGGTGCCAGAGGCCAGCTCTCCCCCTCCAT
CTTGGGGGGGGCGGAGCAGTTGGGGCCAAAGCTGCCCGGGAGGGTGGGTGCAGACACAGGCTGAGGACCAGCCCTGG
CCCTGCCCCGCCATCTGCTTTCACCAAGCTGTCTCTCCACCGTGGCTTCCCTTCTCCCTCCAGGCCAAAGTGTG
CTGATTCCCACTCCCTTGGTTTTCTGCTGCCAGCGTTGCTGTTTGGTGGAGGGTGGGGGGAGCTCAGTGGCAG
GGAATCAGCGGTCCGTGGGGTCTGTTGGGACGGGAACATGTGCCCGACCGCTCCATCCCTCCTCCTTAGGAT
GCATAACCTACCTTGTCTTTTTTTTTTAAATTTCTTTCCAGGTAGAGTAGCTCTTGTACATAAAGAATACTT
GAAAAATTAATTGTATGATGTATGAGAAGACAGAGTCTCCTAGTTTTGTATCTTGTGTATGACTGCCATGAGTT
CCACCAGAAAGCCACTCTATTTTGGTCCCTGTGACATTTTAAATGCGTGACAGAAGTGAGCAAATAAAGTGAGGA
AGAAATCTATATATGAGATAATATAGATTGTATTGAAAAAAAAAAAAAAAAAAAA

6559/6881

FIGURE 6055

MEQPVFLMTTAAQAISGFFVWTALLITCHQIYMHLRCYSCPNEQRYIVRILFIVPIYAFDSWLSLLFFTNDQYYV
YFGTVRDCYEALVIYNFLSLCYEYLGGESSIMSEIRGKPIESSCMYGCCLWGKTYSIGFLRFCKQATLQFCVVK
PLMAVSTVVLQAFGKYRDGDFDVTSGYLYVTIIYNISVSLALYALFLFYFATRELLSPYSPVLKFFMVKSVIFLS
FWQGMLLAILEKCGAIPKIH SARVSVGEGTVAAGYQDFII CVEMFFAALALRHAFTYKVYADKRLDAQGRCAPMK
SISSSLKETMNP HDIVQDAIHNFSPAYQQYTQQSTLEPGPTWRGGAHGLSRSHSLSGARDNEKTLLLSDDDEF

[illegible]

6561/6881
FIGURE 6057

MPFFGNTFSPKKTPPRKSASLSNLHSLDRSTREVELGLEYGSP TMNLAGQSLKFENGQWIAETGVSGGVDRREVQ
RLRRRNQQLEEENLLRLKVDILLDMLSESTAESHLMEKELDELRLSRKRK

6562/6881
FIGURE 6058

GGCACGAGGCAGTCAATGGCTGCCGCCGTCGCTGCTGCCGGTGCAGGGGAACCCCAGTCCCCGGACGAATTGCTCC
CGAAAGGCGACGCGGAGAAGCCTGAGGAGGAGCTGGAGGAGGACGACGATGAGGAGCTAGATGAGACCCTGTCGG
AGAGACTATGGGGCCTGACGGAGATGTTTCCGGAGAGGGTCCGGTCCGCGGCCGGAGCCACTTTTGATCTTTCCC
TCTTTGTGGCTCAGAAAATGTACAGGTTTTCCAGGGCAGCCTTGTGGATTGGGACCACTTCCTTTATGATCCTGG
TTCTTCCCGTTGTCTTTGAGACGGAGAAGTTGCAAATGGAGCAACAGCAGCAACTGCAGCAGCGGCAGATACTTC
TAGGACCTAACACAGGGCTCTCAGGAGGAATGCCAGGGGCTCTACCCTCACTTCCTGGAAAGATCTAGATTGTTA
TTGCTGTTTGAGCTGTCTCAGTGGGATAAGTTTGAAATCAAGTGTTTGAAGTCTGATAATTTGGATTTTTTTT
TTTTTAACTTTGGCACATTGATCTATCTAAACCCGGTGGGGAGAATTATCCCCACATTGTCTCATGGAAAGACTC
AACTTGCAACTGTGCCCTCCACACTATCCTTACTTCTGTCTCCACTCTGATACCAGAGTGCAGCCATGCAGACGG
TTATTCCAGCTCTGGTCACCCGACTCCTTTCACCAAATTGCTCCTAACTGGAAGATCTCACTTTCCCCTTGTGGG
GTAGGAACCGATGCCAGTGGGAGGGATGTGCCCTGACCATTAACTGTTTTTTTTTTTTTTTTTAAAGAATG
GAGTTGTTGGGGCGGGACATGCACACAATGTGAAACAGACAAAATGCATTACACCTGTAGTGTAAGTGGCCACT
ATGAATCCCTATGTATGAGAGGAGGGAGGCAGGCTGCAGCTTCAGCCACAGAATGGGGACTATGGAAGACAGCAG
GAGCTCAATTCCTCTGCACATTTTGGCTGTTAGACCTGTGTGTGTGTTTAAAAAAGAGAAGTCAGTGCTCACTT
TTTGTATTTAAATATTAAAAATGATTCCAAGTAAAAAAAAAAAAAAAAAAAA

6563/6881
FIGURE 6059

MAAAVAAAGAGEPQSPDELLPKGDAEKPEEELEEDDDEELDETLSERLWGLTEMFPERVRSAGATFDLSLFVAQ
KMYRFSRAALWIGTTSFMLVLPVVFETEKLOMEQQQQLQQRQILLGPNTGLSGGMPGALPSLPGKI

6564/6881
FIGURE 6060

ACTTTAAAGAGGGGCTGCTCAACTGCAAGGACGCTGTAAGCAGGAAGAGAAGCCACAGCGCTTCAGAAAAGAGTGG
GACAGGGACAAGCATATCTAAGAGGCTGAACATGAATCCACAGATCAGAAACCCGATGAAGGCAATGTATCCAGG
CACATTCTACTTCCAATTTAAAAACCTATGGGAAGCCAACGATCGGAACGAAACTTGGCTGTGCTTCACCGTGGA
AGGTATAAAGCGCCGCTCAGTTGTCTCCTGGAAGACGGGCGTCTTCCGAAACCAGGTGGATTCTGAGACCCATTG
TCATGCAGAAAGGTGCTTCCTCTCTTGTTCTGCGACGACATACTGTCTCCTAACACAAAGTACCAGGTCACCTG
GTACACATCTTGGAGCCCTTGCCAGACTGTGCAGGGGAGGTGGCCGAGTTCCTGGCCAGGCACAGCAACGTGAA
TCTCACCATCTTCACCGCCCGCTCTACTACTTCCAGTATCCATGTTACCAGGAGGGGCTCCGCAGCCTGAGTCA
GGAAGGGGTCGCTGTGGAGATCATGGACTATGAAGATTTTAAATATTGTTGGGAAAACCTTTGTGTACAATGATAA
TGAGCCATTCAAGCCTTGGAAGGGATTAAAAACCAACTTTCGACTTCTGAAAAGAAGGCTACGGGAGAGTCTCCA
GTGAGGGGCTCTCCCTGGGCCTCATGGTCTGTCTCCTCTAGCCTCCTGCTCATGCTGCACGGGCCTCCCCTCCACC
CTGGACCCGCTCTGTTTCTGCCTGGTCATCCTGAGCCCCCTCCTGGCCTCAGGGCCATTCCACAGTGCTCCCCTGC
CTCACCCTTCCTCCTCGCTCTTCCAGACTCTTCTGCAGAGGCTCCTTTCTGCCTCCATGGCTATCCATCCACC
CCCACAGACCCCGTTCTCCAGCCTGCGTGCCCCCTAACCTGGCTTTTCCCATCTCCCCAGCATAACCAAATCTTA
CTAAACTCATCCTAGGCTGGGCATGGTGACTCACGCCTGTAATCCCCCAGCAATTTGGGAGGCAAAGGTGGGAGA
ATCGCGTGAGCCCAGGAGTTCCAGACCAGGCTGGGTACATGACAAAGCCCCATCTCTACAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAG

6565/6881
FIGURE 6061

CTCTACCGGCGGGATTGATGGCGTGATGTCTCACAGAAAGTTCTCCGCTCCCAGACATGGGTCCCTCGGCTTCC
TGCTCGGAAGCGCAGCAGCAGGCATCGTGGGAAGGTGAAGAGCTTCCCTAAGGATGACCCGTCCAAGCCGGTCC
ACCTCACAGCCTTCCTGGGATACAAGGCTGGCATGACTCACATCGTGCGGGAAGTCGACAGGCCGGGATCCAAGG
TGAACAAGAAGGAGGTGGTGGAGGCTGTGACCATTGTAGAGACACCACCCATGGTGGTTGTGGGCATTGTGGGCT
ACGTGGAAACCCCTCGAGGCCCTCCGGACCTTCAAGACTGTCTTTGCTGAGCACATCAGTGATGAATGCAAGAGGC
GTTTCTATAAGAATTGGCATAAATCTAAGAAGAAGGCCTTTACCAAGTACTGCAAGAAATGGCAGGATGAGGATG
GCAAGAAGCAGCTGGAGAAGGACTTCAGCAGCATGAAGAAGTACTGCCAAGTCATCCGTGTCATTGCCCACACCC
AGATGCGCCTGCTTCCTCTGCGCCAGAAGAAGGCCACCTGATGGAGATCCAGGTGAACGGAGGCACTGTGGCCG
AGAAGCTGGACTGGGCCCCGAGAGGCTTGAGCAGCAGGTACCTGTGAACCAAGTGTTTGGGCAGGATGAGATGA
TCGACGTCATCGGGGTGACCAAGGGCAAAGGCTACAAAGGGGTACCCAGTCGTTGGCACACCAAGAAGCTGCCCC
GCAAGACCCACCGAGGCCTGCGCAAGGTGGCCTGTATTGGGGCATGGCATCCTGCTCGTGTAGCCTTCTCTGTGG
CACGCGCTGGGCAGAAAGGCTACCATCACCGCACTGAGATCAACAAGAAGATTTATAAGATTGGCCAGGGCTACC
TTATCAAGGACGGCAAGCTGATCAAGAACAATGCCTCCACTGACTATGACCTATCTGACAAGAGCATCAACCCTC
TGGGTGGCTTTGTCCACTATGGTGAAGTGACCAATGACTTTGTGTCATGCTGAAAGGCTGTGTGGTGGGAACCAAGA
AGCGGGTGCTCACCCCTCCGCAAGTCCTTGCTGGTGCAGACGAAGCGGCGGGCTCTGGAGAAGATTGACCTTAAGT
TCATTGACACCACCTCCAAGTTTGGCCATGGCCGCTTCCAGACCATGGAGGAGAAGAAAGCATTTCATGGGACCAC
TGAAGAAAGACCGAATTGCAAAGGAAGAAGGAGCTTAATGCCAGGAACAGATTTTGCAGTTGGTGGGGTCTCAAT
AAAAGTTATTTTCCACTGAAAAAAAAAAAAAAAAAAAA

6566/6881
FIGURE 6062

MSHRKFSAPRHGSLGFLPRKRSSRHGKVKSF PKDDPSKPVHLTAFLGYKAGMTHIVREVDRPGSKV NKKEVVEA
VTIVETPPMVVVGIVGYVETPRGLRTFKTVFAEHISDECKRRFYKNWHKS KKKAF TKYCKKWQDE DGKKQLEKDF
SSMKKYCQVIRVIAHTQMRLPLRQKKAHLMEIQVNGGTVAEKLDWARERLEQQVPVNQVFGQDEMIDVIGVTKG
KGYKGVTSRWHTKKLPRKTHRGLRKVACIGAWHPARVAFS VARAGQKGYHHRTEINKKIYKIGQGYLIKDGKLIK
NNASTDYDLSDKSINPLGGFVHYGEVTNDFVMLKGCVVGT KKRVLTLRKSLLVQTKRRALEKIDLK FIDTTSKFG
HGRFQTMEKKAFMGPLKKDRIAKEEGA

6567/6881
FIGURE 6063

CCCGCAGGGGTTCTCCAAGATGGCGGCGCAGAGGAGGAGCTTGCTGCAGAGTGAGCAGCAGCCAAGCTGGACAG
ATGACCTGCCTCTCTGCCACCTCTCTGGGGTTGGCTCAGCCTCCAACCGCAGCTACTCTGCTGATGGCAAGGGCA
CTGAGAGCCACCCGCCAGAGGACAGCTGGCTCAAGTTTCAAGGAGTGAGAACAACCTGCTTCTGTATGGGGTCTTCA
ACGGCTATGATGGCAACCGAGTGACCAACTTCGTGGCCAGCGGCTGTCCGCAGAGCTCCTGCTGGGCCAGCTGA
ATGCCGAGCACGCCGAGGCCGATGTGCGGCGTGTGCTGCTGCAGGCCTTCGATGTGGTGGAGAGGAGCTTCTTGG
AGTCCATTGACGACGCCTTGGCTGAGAAGGCAAGCCTCCAGTCGCAATTGCCAGAGGGAGTCCCTCAGCACCAGC
TGCTTCTCAGTATCAGAAGATCCTTGAGAGACTCAAGACGTTAGAGAGGGAAATTTCTGGGAGGGGCCATGGCCG
TTGTGGCGGTCTTCTCAACAACAAGCTCTACGTCGCCAATGTGGGTACAAACCGTGCACTTTTATGCAAATCGA
CAGTGGATGGGTTGCAGGTGACACAGCTGAACGTGGACCACACCACAGAGAACGAGGATGAGCTCTTCCGCTCTT
CGCAGCTGGGCTTGGATGCTGGAAAGATCAAGCAGGTGGGGATCATCTGTGGGCAGGAGAGCAGCCGCGGATCG
GGGATTACAAGGTTAAATATGGCTACACGGACATTGACCTTCTCAGCGCTGCCAAGTCCAAACCAATCATCGCAG
AGCCAGAAATCCATGGGGCACAGCCGCTGGATGGGGTGACGGGCTTCTTGGTGCTGATGTGCGAGGGGTTGTACA
AGGCCCTAGAGGCAGCCCATGGGCTGGGCAGGCCAACCAGGAGATTGCTGCGATGATTGACACTGAGTTTGCCA
AGCAGACCTCCCTGGACGCAGTGGCCAGGCCGCTCGTGGACCGGGTGAAGCGCATCCACAGCGACACCTTCGCCA
GTGGTGGGGAGCGTGCCAGGTTCTGCCCCGGGCAGGAGCATGACCCTGCTAGTGAGGAACCTTGGCTACCCGC
TGGGCGAAATGAGCCAGCCACACCGAGCCAGCCAGCTGCAGGAGGACGAGTGTACCCTGTGTCTGTGCCAT
ACTCCAGCGCCAGAGCACCAGCAAGACCAGCGTGACCCTCTCCCTTGTGATGCCCTCCAGGGCCAGATGGTCA
ACGGGGCTCACAGTGCTTCCACCCTGGACGAAGCCACCCCCACCCTCACCAACCAAGCCCGACCTTAACCTTGC
AGTCCACCAACACGCACACGCAGAGCAGCAGCTCCAGCTCTGACGGAGGCCTCTTCCGCTCCCGGCCCGCCACT
CGCTCCCGCCTGGCGAGGACGGTCGTGTTGAGCCCTATGTGGACTTTGCTGAGTTTTACCGCCTCTGGAGCGTGG
ACCATGGCGAGCAGAGCGTGGTGACAGCACCCTAGGGCAGCCGAGAATGCAGCCCAAGCAGGGCCTGGCATGGG
GCAGGACAGGGTCCAGCCTTTTCTAACATCTGCCTGTGCCACAACGGCCAGCAGGTGCCCCATCCTCTGCCAC
AGCAGACTCTGTCCCATGGCTCTCCGGGCAGTAGAGTGTGTGAGTGAGACTGGACCTGTGGTTCATACCTTGTG
ACCACCCGGGAAGCTGAAGGCCACTTCTCCAGATGGCCTCAGCCAGGACCATCGCCCTTCTCAGAGCAGAGG
GCCAGGTATAGAAACCGCAGTGGGCCTGCAAGCCGCCGAGCCTCCCGCAGCAGCCTCTACAGAGCAGGAAGAGG
CGCCCTGTGAACCCTGAGTGTGTCAGGCCAGCAGACCCTGTGTGCCAAGCCCAACCCCTCTCCACCATCACC
TCCCTCACCTCGGGACAGTAGCCCTCCACTTCTCCAGCCTCTCAGCCCTGTGCTCCTGCATCCAGAGTGGAACCC
AGGCTGGTGTCCGCATCTGTCCCTGGGCCCCACCCCTGGACCTGCCTTGGTTGTGTGTCATCTGTTGTAAACGTTCA
GGAGGACCAGGGCAGCATCTGGGGCCTGGGATGGCCACAGAAGGGGCAGGCCAGGTGGAAGGAGCCAGGGGGAA
GTGGTCTAAGAGACCTGGAAGTCCAGAGGATGGCGGCTGGGCTTCCCAGAGCCAGGCGTGGGGGAGAGGTGA
GGACTGGCCCCGGTGGGCTGAGGCAGGGGCCGCTGTGTCAGGCCTGAGCCAGGGTGAGCTGGTGCCTGCCTTGC
ATTTTCTTCTGGTGCTGTGAAGACCATAGGCTGGCAGGCAGCTGAGATGAACTGTCTTTACCACTGATGAGGGG
CCTCTGCCGGCTGAGGGTAGCAAGCAGGGGTTGTGAGTCAGGCTGGGGGACTTGTGTTGAAAGAAAGAGGAGTGGA
AAATGGTTCCAGGAGGGAAGAGGTTCTTTGAGACACAGTACCTGGGAGGCATAGGAGAAGGGTCGGGCCAGCCC
AGCCCAGGGCCTGAGTTAGACTATTTCCACATGTTCTCTGCCCTCAGTGGGGAGGGGGTGCCACCAGGGCTGTG
GGCCAGGATTGCCACTCCTGTTTCAGAGGAAGCAGGCCGAGAGACTTGACCTTGGCCAAGCCACACAATCAGTG
GGGCAGCCAGAGCTCAGACCTGAGCCATTTTGTGAGTATCCAGGACCCCCCGATTCTCCACGCCCTCCCCATCT
CCCAGTCTCCTGCCCCCATGCCCCAGACCGGCCACCAGGGACTAGCCGCTGTGCGACAGCCTCTGGGGTGCT
TGGTCTCTGCGAAGTCAAAGGCCTGACAGCTCTGTGGCCTGGGAATCCATTTTCTGCGGCAGAGCAGGGCCTGG
TGTGGAACCAGGGAGCTGTGGGAAGCCACAGCAGAAATGGAAGAAAAACAGGTCTCAGCCAGGGTCTCTGCTCA
CTCCCTCACTCCCCACTTTGAAGCCATCTCTGTTCTGCAGGTGAGAGGATTTAAAGTCAGTCACAAAGGCTTGGG
AACAAAAGGAATTC

6568/6881
FIGURE 6064

TGATGGGTGACCCGGGGAGAGGTACCCGGCCAGAGGCGAGTCCTGCGGAGTGGTAGCGCGCACGGCCTGCGGTGT
GACACCCAGCCCCCTGCCAGTCCCCCATGGCCCCGTGGAGCCGAGAGGCGGTGCTGAGTCTCTATCGGGCTCTGTT
GCGCCAGGGCCGACAGCTTCGCTACACTGATCGAGACTTCTACTTTGCCTCCATCCGCCGTGAATTCCGAAAAAA
TCAGAAGCTAGAGGACGCTGAGGCCCGGGAGAGGCAGCTGGAGAAGGGCCTGGTCTTTCTCAACGGCAAATTGGG
GAGGATCATTTAGGATCCTCCAAGGGAAAGAGGACAAAGGTGCCTTCTGTAGACACTCCTGCTCTCTTCCATCCC
CATCTTACAGATGTATTAAGAAGCCTCAGATGAGCAATGGCAGGCGCTGGTGAGCGCAAAGGCAAGAAGGATGAC
AATGGCATTGGCACGGCCATTGACTTTGTGCTCTCCAATGCCCGGTGGTGTGGGGGTGGGTGGAGCGGCCATG
CTGGGCATCGCCACGCTGGCAGTTAAGCGGATGTACGATCGGGCGATCAGTGCCCCCTACCAGCCCCACCCGCTG
AGCCATTCGGGGAAAAGGAGCTGGGAAGAACCCTGAGTGGGCTCCCCACGACTGCTGAACAGGGACATGAAG
ACGGGCCTGAGCCGGTCTTGCAGACCCTTCCACAGACTCCTCCACCTTCGACACAGATACATTCTGCCCGCCC
CGGCCCCAAGCCAGTGGCCAGGAAGGGCCAGGTAGACTTGAAGAAGTCACGACTCCGCATGTCCCTGCAGGAGAAA
CTTCTTACTTACTACCGGAACCGGGCAGCCATCCCTGCTGGAGAGCAGGCTCGGGCCAAGCAAGCTGCTGTGGAC
ATATGTGCCGAGCTCCGGAGCTTCTGCGGGCCAAGTTGCCTGACATGCCGCTTCGGGACATGTACTTGAGTGGC
AGCCTCTACGATGACCTGCAGGTGGTGACAGCTGACCACATCCAATCATTGTGCCCTTGTGCTGGAGCAGAAC
CTGTGGTCATGTATTCTTGGTGAAGACACCATCATGAATGTCCCTGGCTTCTTCTTGGTGCGTCGTGAGAATCCA
GAGTACTTTCTCTGTTGGGAGCAGTTACTGGGACCGCTGTGTAGTAGGGGGCTACCTCTCTCCAAAGACAGTCGCA
GATACATTTGAGAAGGTAGTGGCTGGCTCCATCAATTGGCCAGCCATAGGGTCCCTCTTGGACTATGTGATCCGC
CCGGCCCCACCCCCAGAAGCCCTCACACTGGAGGTGCAGTATGAGCGTGACAAACATCTCTTCATTGACTTCCTG
CCATCAGTGACCTCGGTGACACAGTCTTGGTGGCCAAACCACACCGGCTAGCCAGTATGACAACCTGTGGCGG
CTGAGCCTGCGTCCCGCGGAGACGGCACGCCTGCGGGCTCTGGACCAGGCTGACTCGGGCTGCCGATCTCTGTGC
CTCAAGATCCTCAAGGCCATATGCAAGTCCACCCCGGCTCTGGGCCACCTCACTGCCAGCCAGCTAACCAATGTC
ATCCTCCACTTGGCCCAGGAGGAGGCTGACTGGTCTCCGATATGCTGGCCGACCGTTTCTGTCAGGCCTTGAGG
GGACTTATCAGCTACTTAGAGGCTGGAGTCTTGGCCAGTGCCCTAAACCCCAAGGACAAGGCCTTGAAGGAACGC
AGCCTTAGACATCAGGTGAGGATGATGGAGGTAGACAGTCGACTGAATGTCAGCTGGAAAAATCCAGTCACTAGTT
GGGGTTTGGTGGCCATGTTTTCTACCCAGACAGGCCCTGCTTTTCTAGGATGTGGCCTTAGAGCAAGAACAGACC
CAACAGCCAGCCCTTCATCCTCCAGCGTCTGCCATAGGAATGTGAGAGGGGTGTTTGCTGAGCGCTCCGGGCACG
GCCAGAGGGCAAGTGAGCATGCACGGACCTTCCCCCTGTCTGTTTCTCAGCCAGCACCTGGGGAGATCGGTG
CTACCAAGGAAGAGAGCACACAGATAAGACAGAGGGGAGGAGGTGGGCATTTCTACATTCTCCTTGTGTTGCCG
CTGCTGAGATTGCAGTATTTATTGCAATGTAAATGTATCCTGAAGGTGGGGAGGAATGTTAATCTACCATGTCC
GTGTGTC

6569/6881
FIGURE 6065

GAAAAC TCAGGCTTGGAACAGCACCTCGCGCGATAACCTGGCGTCCTCGGCCTTCACAATAAAAACTCTTCGCCG
GAAAACGACCTTTCCCGCCCACTGCGCTGACACCGGAAGCGAGGCGTGTCTGGGAGATCACTCCGCGCTCCGGC
GGCGAAGGAAAGAACGGACTCTGATCATAGAAGCCTAGTAAAGTAGTACACCTCTCTCCTTTCTGTGAGGCCATAA
GAACAAACTCCTTTTCTCGTCACAGCTACGCCCTGGGCATAAACGGTTGGGGCGTCAAAGGGAGGGAGGGAAGGG
AGCGGGCGGGAGGAGACGGTCACGTGGTCGCGGCGGAAGGATGCGTCTGTGCTGCGTCCCCATAGAGACGAAGTC
TATAAAGGGCCGGCGGGCGGCCACGGCAGCCATTTCTACTTTGCCCCGCCACAGATGTAGTTTTCTCTGCGCGTG
TGCGTTTTCCCTCCTCCCCGCCCTCAGGGTCCACGGCCACCATGGCGTATTAGGGGCAGCAGTGCCTGCGGCAGC
ATTGGCCTTTTGACGCGGCGGCAGCAGCACCAGGCTCTGACGCGGCAACCCCCAGCGGCTTAAGCCATGGCCAGCG
TTGCTGTAAACCGACAAAGACACCTTCGAATTAAGCACATTCTCGATTCCAGCAAAGCACCGCAACATGACCGAA
ATGAGCTTCCTGAGCAGCGAGGTGTGGTGGGGGACTTGATGTCCCCCTTCGACCAGTCGGGTTTGGGGGCTGAA
GAAAGCCTAGGTCTCTTAGATGATTACCTGGAGGTGGCCAAGCACTTCAAACCTCATGGGTTCTCCAGCGACAAG
GCTAAGGCGGGCTCCTCCGAATGGCTGGCTGTGGATGGGTTGGTCAGTCCCTCCAACAACAGCAAGGAGGATGCC
TTCTCCGGGACAGATTGGATGTTGGAGAAAATGGATTTGAAGGAGTTCGACTTGGATGCCCTGTTGGGTATAGAT
GACCTGGAAACCATGCCAGATGACCTTCTGACCAGTTGGATGACACTTGTGATCTCTTTGCCCCCTAGTCCAG
GAGACTAATAAGCAGCCCCCCCCAGACGGTGAACCAATTGGCCATCTCCAGAAAGTTTAACAAAACCCGACCAG
GTTGCCCCCTTCACCTTCTTACAACCTCTTCCCCCTTTCCCCAGGGGTCTGTCTCTCCACTCCAGATCATTCTTT
AGTTTAGAGCTGGGCAGTGAAGTGGATATCACTGAAGGAGATAGGAAGCCAGACTACACTGCTTACGTTGCCATG
ATCCCTCAGTGCATAAAGGAGGAAGACACCCCTTCAGATAATGATAGTGGCATCTGTATGAGCCCAGAGTCCTAT
CTGGGGTCTCCTCAGCACAGCCCCCTTACCAGGGGCTCTCCAAATAGGAGCCTCCCATCTCCAGGTGTTCTCTGT
GGGTCTGCCCCGTCCCAAACCTTACGATCCTCCTGGAGAGAAGATGGTAGCAGCAAAAGTAAAGGGTGAGAACTG
GATAAGAAGCTGAAAAAATGGAGCAAAACAAGACAGCAGCCACTAGGTACCGCCAGAAGAAGAGGGCGGAGCAG
GAGGCTCTTACTGGTGAGTGCAAAGAGCTGGAAAAGAAGACGAGGCTCTAAAAGAGAGGGCGGATTCCCTGGCC
AAGGAGATCCAGTACCTGAAAGATTTGATAGAAGAGGTCCGCAAGGCAAGGGGGAAGAAAAGGTCCCCTAGTTG
AGGATAGTCAGGAGCGTCAATGTGCTTGTACATAGAGTGCTGTAGCTGTGTGTTCCAATAAATTATTTGTAGGG
AAAGT

6570/6881
FIGURE 6066

GTCCGTCGCAGCCCGCTCGGGCCCGTTCGCGCCCGTCCTGTCCGCCACGTCCCGCGGGGTGGCGGGCGCGCTGCG
GCCCTTGGTGCAGGCCACGGTGCCCGCCACCCCGGAGCAGCCTGTGTTGGACCTGAAGCGGCCCTTCCCTCAGCCG
GGAGTCGCTGAGCGGCCAGGCCGTGCGCCGGCCCTTTGGTCGCCTCGGTGGGCCTCAATGTCCCTGCTTCTGTTTG
TTATTCCCACACAGACGTCAAGGTGCCTGACTTCTCTGAATACCGCCGCCTTGAAGTTTTAGATAGTACGAAGTC
TTCAAGAGAAAGCACCGAGGCTAGGAAAGGTTTCTCCTATTTGGTAACTGGAGTAACTACTGTGGGTGTGCGCATA
TGCTGCCAAGAATGCCGTACCCAGTTCGTTTCCAGCATGAGTGCTTCTGCTGATGTGTTGGCCCTGGCGAAAAT
CGAAATCAAGTTATCCGATATTCCAGAAGGCAAGAACATGGCTTTCAAATGGAGAGGCAAACCCCTGTTTGTACG
TCATAGAACCCAGAAGGAAATTAAGCAGGAAGCTGCAGTTGAATTATCACAGTTGAGGGACCCACAGCATGATCT
AGATCGAGTAAAGAAACCTGAATGGGTTATCCTGATAGGTGTTTGCACTCATCTTGTTGTGTACCCATTGCAAA
TGCAGGAGATTTTGGTGGTTATTACTGCCCTTGCCATGGGTACACTATGATGCATCTGGCAGGATCAGATTGGG
TCCTGCTACTCTCAACCTTGAAGTCCCCACGTATGAGTTCACCACTGACGATATGGTGATTGTTGGTTAGAGACT
TGGACTCAAGTCATAGGCTTCTTTCAGTCTTTATGTCACCTCAGGAGACTTATTTGAGAGGAAGCCTTCTGTACT
TGAAGTTGATTTGAAATATGTAAGAATTGATGATGTATTTGCAAACATTAATGTGAAATAAATTGAATTTAATGT
TGAATACTTTCAGGCATTCACTTAATAAAGCCACTGTTAAGCACTGTTATGCTCAGTCATACACGCGAAAGGTAC
AACGTCTTTTAGCTAATTCTAATTAAAAATTACAGACTGGTGTACAAGATACTTGTG

6571/6881
FIGURE 6067

MSASADVLALAKIEIKLSIDIPEGKNMAFKWRGKPLFVRHRTQKEIKQEAAVELSQLRDPQHDLDRVKKPEWVILI
GVCTHLGCVPIANAGDFGGYYCPCHGSHYDASGRIRLGPATLNLEVPTYEFTSDDMVIVG

6572/6881
FIGURE 6068

CCATGGCGGGCTGGAGGCGATCATGGTTGCGCCGACAGCTACCGCTCACCTCTTGCCTCCCGCTATGCCAGCCCGG
AGATGTGCTTCGTGTTTTAGCGACAGGTATAAATTCCGGACATGGCGGCAGCTGTGGCTGTGGCTGGCGGAGGCCG
AGCAGACATTGGGTTTTGCCTATCACAGATGAACAAATCCAGGAGATGAAATCAAACCTGGAGAACATAGACTTCA
AGATGGCAGCTGAGGAAGAGAAACGTTTACGACATGATGTGATGGCTCACGTGCACACATTTGGCCACTGCTGTC
CAAAAGCTGCAGGCATTATTACCTTGGTGCTACTTCTTGCTATGTTGGAGACAATACTGACTTGATTATTCTTA
GAAATGCACTTGACCTGCTTTTGCCAAAGCTTGCCAGAGTGATCTCTCGGCTTGCCGACTTTGCTAAGGAACGAG
CCAGTCTACCCACATTAGGTTTTACACATTTCCAGCCTGCACAGCTGACCACAGTTGGGAAACGTTGCTGTCTTT
GGATTGAGGATCTTTGCATGGATCTCCAGAACTTGAAGCGTGTCCGAGATGACCTGCGCTTCCGGGGAGTAAAGG
GTACCACTGGCACTCAGGCCAGTTTTCTGCAGCTCTTTGAGGGAGATGACCATAAGGTAGAGCAGCTTGACAAGA
TGGTGACAGAAAAGGCAGGATTTAAGAGAGCTTTCATCATCACAGGGCAGACATATACAGAAAAGTGGATATTG
AAGTACTGTCTGTGCTGGCTAGCTTTGGGGGCATCAGTGCACAAGATTTGCACCGACATACGCCTCCTGGCAAACC
TCAAGGAGATGGAGGAACCCCTTTGAAAAACAGCAGATTGGCTCAAGTGCATGCCATATAAGCGGAATCCCATGC
GTTCAGAACGTTGCTGCAGTCTTGCCCGCCACCTGATGACCCTTGTCTATGGACCCGCTACAGACAGCATCTGTCC
AGTGGTTTGAACGCACACTGGATGATAGTGCCAACCGACGGATCTGTTTGGCCGAGGCATTTCTTACCGCAGATA
CTATATTGAATACGCTGCAGAACATTTCTGAAGGATTGGTCGTGTACCCCAAAGTAATTGAACGGCGCATTTCGGC
AAGAGCTGCCTTTTCATGGCCACAGAGAACATCATCATGGCCATGGTCAAAGCTGGAGGTAGCCGCCAGGATTGCC
ATGAGAAAATCAGAGTGCTTTCTCAGCAGGCAGCTTCTGTGGTTAAGCAGGAAGGGGGTGACAATGACCTCATAG
AGCGTATCCAGGTTGATGCCTACTTCAGTCCCATTCCTCCAGTTGGATCATTTACTGGATCCTTCTTCTTTCA
CTGGTCGTGCCTCCCAGCAGGTGCAGAGATTCTTAGAAGAGGAGGTGTATCCCCTGTTAAAACCATATGAAAGCG
TGATGAAGGTGAAAGCAGAATTATGTCTGTAGAGTTGGAAGAGAATTAAACGAAAATCATTGTTAATTGCTGAGG
CATGAAAATTGTGTTACTATAACGCCTTATTTTACCTCGAGAATTGTTACCTTAAATTAGTACAGCACTTTCTTC
TTCCCATGGTGCTTTCTGTTTCTCAGTCTCACATTTCTCAACAAGGCAAAAACAAAGAGCGTTGAAGTTGACTC
TGCTCTTGATAGTAAATGTAGTTCATACTTGAAAAAAAAA

6573/6881
FIGURE 6069

MAAGGDHGSPDSYRSPLASRYASPEMCFVFS DRYKFRTWRQLWLWLAEAEQTLGLPITDEQIQEMKSNLENIDFK
MAAEEEEKRLRHDVMAHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLIIILRNALDLLLLPKLARVISRLADFAKERA
SLPTLGFTHFQPAQLTTVGKRCCLWIQDLCMDLQNLKRVRRDDLRFGRVKGTTGTQASFLQLFEGDDHKVEQLDKM
VTEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASVHKICTDIRLLANLKEMEEPFQKQIGSSAMPYKRNPMP
SERCCSLARHLMTLVMDPLQTASVQWFERTLDDSANRRICLAEAFLTADTILNTLQNISEGLVVYPKVIERRIRQ
ELPFMATENIIMAMVKAGGSRQDCHEKIRVLSQQAASVVKQEGGDNDLIERIQVDAYFSPIHSQLDHLLDPSSFT
GRASQQVQRFLEEEVYPLLKPYESVMKVKAELCL

6574/6881
FIGURE 6070

GGGTGGGAGGAGCCAGCGGCCGGGGAGGTTCTAGTCTGTTCTGTCTTGCGGCAGCCGCCCTTCTGCGCGGTCA
CGCCGAGCCAGCGCCTGGGCCTGGAACCGGGCCGTAGCCCCCAGTTTCGCCACCACCTCCCTACCATGGACC
CCCGCAAAGTGAACGAGCTTCGGGCCTTTGTGAAAATGTGTAAGCAGGATCCGAGCGTTCTGCACACCGAGGAAA
TGCGCTTCCTGAGGGAGTGGGTGGAGAGCATGGGTGGTAAAGTACCACCTGCTACTCAGAAAGCTAAATCAGAAG
AAAAATACCAAGGAAGAAAAACCTGATAGTAAGAAGGTGGAGGAAGACTTAAAGGCAGACGAACCATCAAGTGAGG
AAAGTGATCTAGAAATTGATAAAGAAGGTGTGATTGAACCAGACACTGATGCTCCTCAAGAAATGGGAGATGAAA
ATGCGGAGATAACGGAGGAGATGATGGATCAGGCAAATGATAAAAAAGTGGCTGCTATTGAAGCCCTAAATGATG
GTGAATCCAGAAAGCCATTGACTTATTCACAGATGCCATCAAGCTGAATCCTCGCTTGGCCATTTTGTATGCCA
AGAGGGCCAGTGTCTTCGTCAAATTACAGAAGCCAAATGCTGCCATCCGAGACTGTGACAGAGCCATTGAAATAA
ATCCTGATTGAGCTCAGCCTTACAAGTGGCGGGGAAAGCACACAGACTTCTAGGCCACTGGGAAGAAGCAGCCC
ATGATCTTGCCCTTGCCCTGTAAATTGGATTATGATGAAGATGCTAGTGCAATGCTGAAAGAAGTTCAACCTAGGG
CACAGAAAATTGCAGAACATCGGAGAAAGTATGAGCGAAAACGTGAAGAGCGAGAGATCAAAGAAAGAATAGAAC
GAGTTAAGAAGGCTCGAGAAGAGCATGAGAGAGCCAGAGGGAGGAAGAAGCCAGACGACAGTCAGGAGCTCAGT
ATGGCTCTTTTCCAGGTGGCTTTCCTGGGGGAATGCCTGGTAATTTTCCCGGAGGAATGCCTGGAATGGGAGGGG
GCATGCCCTGGAATGGCTGGAATGCCTGGACTCAATGAAATTCCTTAGTGATCCAGAGGTTCTTGACGCCATGCAGG
ATCCAGAAGTTATGGTGGCTTTCAGGATGTGGCTCAGAACCCAGCAAATATGTCAAATACCAGAGCAACCCAA
AGGTTATGAATCTCATCAGTAAATTGTCAGCCAAATTTGGAGGTCAAGCGTTAATGTCTTCTGATAAATAAGCC
CTTGCTGAAGGAAAAGCAACCTAGATCACCTTATGGATGTGCAATAATAACAAACAGTGACCTCTGACCTTCT
CATCAAGAGAGCTGGGGTGCTTTGAAGATAATCCCTACCCCTCTCCCCCAAATGCAGCTGAAGCATTTTACAGTG
GTTTGCCATTAGGGTATTCAATCAGATAATGTTTTCTACTAGGAATTACAACTTTAAACACTTTTTAAATCTT
CAAAATATTTAAACAAATTTAAAGGGCTGTAAATTCCTATATTTTCTTTACTAATCATTTTGGATTTTTTC
TTTGAATTATTGGCAGGGAATATACTTATGTATGGAAGATTACTGCTCTGAGTGAAATAAAAGTTATTAGTGCGA
GGCAAACATAACTCATTTGAGGATAAAGTTTTGTGTTGGATATGTGGTTCCTGATGCATTTTGAATTTGCTTTTTA
AATGCTTTATCTTTTTCTTTAAAGATTTATTTCAATAAACTAATTGGGACCACCCGTATTTCAGTAGGACCTGG
GTAGGGATTGGAAGTACTTGGCAGGGCAGCAGCAATCTTGCTGTGTTTGATATAACATGCATCCTTGGGCAGGTT
GCCCTTAAATCTTACACTGTGGTGAAGGGATGTTTTTTTGTAAATGCTGCAGTAGAGTTGGAGTACTTAGTTCTC
TTGTTGTCCAGTATATCTAATAAGTGTTTTTCATATTATTTCCACGTAAGGGAAATAAGGTAGTACTTTTCTTTT
TATATTTCTATGCTTAAATTCCTTTCTTAGTCAAAAATTGCCCAAATCTGTGTTTGCTTTCTGCTTGCTACAT
TTGTCTCCCTTACTTTTCTTGAGCTAAAGACAGGCTTTTTCCACCGGCATCATCACTGCTATCATCATTAAACAGC
GTAATTATACAAGCATATTTAATGCTGAGTTTAAATTAATATGTAATACATATGGTAATTGTAGGGTAATACCCA
CAACAACGTAGTTTCTTACTTGGCCAAGAGAATGCTTATTTAAGTGTTAGACTTCCATTCTGGCAAAATCTTGC
CTTATCAGAAGACATTGGAAAGAGGGATTCCCTTTGGTGTGTTGGTCTTCTACTTAGAAAAACCTATTGCAGTTAG
TTTATCTTGTAGTATTATCTTTGTATTCTGAAGATAAGGTTTGAATTAATTTGATACACAGAGGGGAACCGA
TTTTTTTTATCCAATGTGAATTATAAATGAGATAATCCACAGTTATTCAATTGTGGAGTTGTTGAGACTATGAAAG
ACTCATTGCTTTGTATTGAGCTCTTAAATAGTGTAATATATCCCCACCTCTGCTTGCTTTCTTTCCCTCCCTT
CCAATGATAAAGAAAATGATAAATTTCTGTTGTGCATTCAATTCTTATTTTAAATAAGACTAAGTATAGGCATT
GTACCTGACATTGCTACGTTTCTACCAGTGTTTCAATTTAAAGTGCTAGTGTTTAAAAACATTTTCAAGGGATAA
GGCCTTCTGTACTTTGCTTATTTGAAGAATCAGTGGTAGGAGCAGTGAAGTAAATTCATGGAGTACATTTCTAA
AATACCACATTTCTGAAATCATAAATAAGTTTATTCAGGTTCTAACCCCTTGCTGTACACAAGCAGACAGAAATG
CATCTGTTACATAAATGAGAAAAAGCTATTATGCTGATGGAGCATGCTTTTTAAATCCTTTAAAAACACTCACCA
TATAAACTTGCATTTGAGCTTGTGTGTTCTTTTGTTAATGTGTAGAGTTCTCCTTTCTCGAAATTGCCAGTGTGT
ACTTGGCTTAACTCAAGAACAGTTTCTTCTGGATTCTTATTTGATTATTTAACCTAATTATATTCTAATATTG
CAAAATATTACCATAAGTGGGTAAGTAAATTCCTCTTCTGAAAAAAAAAAAAAAAAAAAAA

6575/6881
FIGURE 6071

MDPRKVNELRAFVKMCKQDPSVLHTEEMRFLREWVESMGKVPATQKAKSEENTKEEKPDSSKKVEEDLKADEPS
SEESDLEIDKEGVIEPD TDAPQEMGDENAEITEEMDQANDKKVAAIEALNDGELQKAIDLF TDAIKLNPR LAIL
YAKRASV FVKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRL LGHWEEAAHDLALACKLDYDEDASAMLKEVQ
PRAQKIAEHRRKYERKREERE IKERIERVKKAREEHERAQREEEARRQSGAQYGSFPGGFP GGMPGNFP GGMPGM
GGMPGMAGMPGLNEILSDPEVLAAMQDPEVMVAFQDVAQN PANMSKYQSNPKVMNLI SKLSAKFGGQA

6576/6881
FIGURE 6072

CCCAAAATGGCGGCAGCGATCGGATGTGGATACCCCGAGCGGCACCAACAGCGGCGCGGGCAAGAAGCGCTTTGAA
GTGAAAAAGTGGAATGCAGTAGCCCTCTGGGCCTGGGATATTGTGGTTGATAACTGTGCCATCTGCAGGAACCAC
ATTATGGATCTTTGCATAGAATGTCAAGCTAACCAGGCGTCCGCTACTTCAGAAGAGTGTACTGTCGCATGGGGA
GTCTGTAACCATGCTTTTCACTTCCACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACAAC
AGAGAGTGGGAATTCCAAAAGTATGGGCACTAGGAAAAGACTTCTTCCATCAAGCTTAATTGTTTTGTTATTCAT
TTAATTGACTTTCCCTGCTGTTACCTAATTACAAATTGGATGGAAGTGTGTTTTTTCTGCTTTGTTTTTTCAGT
TTGCTGTTTCTGTAGCCATATTGTATTCTGTGTCAAATAAAGTCCAGTTGGATTCTGG

6577/6881
FIGURE 6073

MAAAMDVDTPSGTNSGAGKKRFEVKKWNAVALWAWDIVVDNCAICRNHIMDLCECQANQASATSEECTVANGVC
NHAFHFHCISRWLKTRQVCPLDNREWEFQKYGH

6578/6881
FIGURE 6074

GCTCTTTCTCAGTGACCGGGTTCTAGGCTTAGGCGCAGACGGGTTAGGGGAGCCAACATGCCAGTGGCCCGGAGC
TGGGTTTGTCGCAAACTTACGTGACCCCGCGGAGATCCTTTGAGAAATCTCGTCTCGACCAAGAGCTGAAGCTG
ATCGAAGAGTATGGGCTCCGGAATAAACGTGAGGTCTGGAGGGTCAAATTTACCCTGGCCAAGATAGAGGATTC
TTAGAGAGACGCCCTACAGACCCAGGTCTTCAAGCTGGGCTTGGCCAAGTCCATCCACCACGCTCGCGTGCTGATC
CGCCAGCGCCATTTCAGGGTCCGCAAGCAGGTGGTGAACATCCCGTCCTTCATTGTCCGCCTGGATTCCCAGAAG
CACATCGACTTCTCTCTGTGCTCTCCCTATGGGGGTGGCCGCCCGGGCCGCGTGAAGAGGAAGAATGCCAAGAAG
GGCCAGGGTGGGGCTGGGGCTGGAGACCACAAGGAGGAGGATTAAGCCACCTGTCCCTCCTGGGCTGCTGCATT
GTCTAGTTTTCTGCCAAATAAACAGGATCAGCGCTTTAAAAAAAAAAAAA

6579/6881
FIGURE 6075

ATGGCCTCGGAAGACATTGCCAAGCTGGCAGAGACACTTGCCAAGACTCAGGTGGCCGGGGGACAGCTGAGTTTC
AAAGGCAAGAGCCTCAAACCTCAACACTGCAGAAGATGCTAAAGATGTGATTAAAGAGATTGAAGACTTTGACAGC
TTGGAGGCTCTGCGTCTGGAAGGCAACACAGTGGGCGTGGAAGCAGCCAGGGTCATCGCCAAGGCCTTAGAGAAG
AAGTCGGAGTTGAAGCGCTGCCACTGGAGTGACATGTTACGGGAAGGCTGCGGACCGAGATCCCACCAGCCCTG
ATCTCACTAGGGGAAGGACTCATCACAGCTGGGGCTCAGCTGGTGGAGCTGGACTTAAGCGACAACGCATTTCGGG
CCCGACGGTGTGCAAGGCTTCGAGGCCCTGCTCAAGAGCTCAGCCTGCTTCACCCTGCAGGAACCTCAAGCTCAAC
AACTGTGGCATGGGCATTGGCGGCGGCAAGATCCTGGCTGCAGCTCTGACCGAATGTCACCGGAAATCCAGTGCC
CAAGGCAAGCCTCTGGCCCTGAAGGTCTTTGTGGCTGGCAGAAACCGTCTGGAGAATGATGGCGCCACTGCCTTG
GCAGAAGCTTTTAGGGTCATCGGGACCCTGGAGGAGGTCCACATGCCACAGAATGGGATCAACCACCCTGGCATC
ACTGCCCTGGCCCAGGCTTTGCTGTCAACCCCCCTGCTGCGGGTCATCAACCTGAATGACAACACCTTCACTGAG
AAGGGCGCCGTGGCCATGGCCGAGACCTTGAAGACCTTGCGGCAGGTGGAGGTGATTAATTTTGGGGACTGCCTG
GTGCGCTCCAAGGGTGCAGTTGCCATTGCAGATGCCATCCGCGGCGGCCTGCCAAGCTAAAGGAGCTGAACTTG
TCATTCTGTGAAATCAAGAGGGATGCTGCCCTGGCTGTTGCTGAGGCCATGGCAGACAAAGCTGAGCTGGAGAAG
CTGGACCTGAATGGCAACACCCTGGGAGAAGAAGGCTGTGAACAGCTTCAGGAGGTGCTGGAGGGCTTCAACATG
GCCAAGGTGCTGGCGTCCCTCAGTGATGACGAGGACGAGGAGGAGGAGGAAGGAGAAGAGGAAGAAGAGGAA
GCAGAAGAAGAGGAGGAGGAAGATGAGGAAGAGGAGGAAGAAGAGGAGGAGGAGGAGGAAGAAGAGCCTCAGCAG
CGAGGGCAGGGAGAGAAGTCAGCCACGCCCTCACGGAAGATTCTGGACCCTAACACTGGGGAGCCAGCTCCCGTG
CTGTCTCCCCACCTCCTGCAGACGTCTCCACCTTCCTGGCTTTTCCCTCTCCAGAGAAGCTCCTGCGCCTAGGG
CCCAAGAGCTCCGTGCTGATAGCCCAGCAGACTGACACGTCTGACCCCCGAGAAGGTGGTCTCTGCCTTCCTAAAG
GTGTCATCTGTGTTCAAGGACGAAGCTACTGTGAGGATGGCAGTGCAGGATGCAGTAGATGCCCTGATGCAGAAG
GCTTTCAACTCCTCGTCCTTCAACTCCAACACCTTCCTCACCAGGCTCCTCGTGCACATGGGTCTGCTCAAGAGT
GAAGACAAGGTCAAGGCCATTGCCAACCTGTACGGCCCCCTGATGGCGCTGAACCACATGGTGCAGCAGGACTAT
TTCCCCAAGGCCCTTGACCCCTGCTGCTGGCGTTCTGTGACCAAGCCCAACAGCGCCCTGGAATCCTGCTCCTTC
GCCCCCACAGTCTGCTGCAGACGCTGTACAAGGTCTAG

6580/6881
FIGURE 6076

MASEDIAKLAETLAKTQVAGGQLSFKGKSLKLNDAEDAKDVIKEIEDFDSLEALRLEGNTVGVEAARVIAKALEK
KSELKRCHWSDMFTGRLRTEIPPALISLGGLITAGAQVELDLSDNAFGPDGVQGFEALLKSSACFTLQELKLN
NCGMGIGGGKILAAALTECHRKSSAQGKPLALKVAVAGRNRLNDGATALAEAFRVIPTLEEVHMPQNGINHPGI
TALAQAFAVNPLLRVINLNDNTFTEKGAVAMAETLKTTLRQVEVINFGDCLVRSKGAVAIADAIRGGLPKLKEINL
SFCEIKRDAALAVAEAMADKAELEKLDLNGNTLGEEGCEQLQEVLEGFNMAKVLASLSDDEDEEEEEEEEEEEEE
AEDE
PKSSVLIAQQTDTSDEPKVVSFAFLKVSSVFKDEATVRMAVQDAVDALMQKAFNSSSFNSNTFLTRLLVHMGLLKS
EDKVKAIANLYGPLMALNHMVQQDYFPKALAPLLLAFVTKPNSALESCSFARHSLQLTLYKV

6581/6881
FIGURE 6077

CGGGAGGCGAGGTGCGCGAGCCGAGTCCGGGGCACGATGTCCGACGCGGGCGGCGGAAAGAAGCCGCCTGTGGAC
CCGCAGGCAGGACCCGGTCCGGGGCCGGGGCGCGCAGCTGGGGAAAGGGGCCTGTCCGGGGTCTTCCCCCTGGTC
CTGAAGAAGCTGATGGAGAACCCCCGCGCGAGGCGCGCCTCGATAAGGAAAAGGGGAAGGAAAAGCTGGAGGAG
GACGAGGCCGCGAGCCGCCAGCACCATGGCTGTCTCAGCCTCCCTCATGCCACCCATCTGGGACAAGACCATCCCA
TATGATGGCGAATCTTTCCACCTGGAGTACATGGACCTGGATGAGTTCTGCTGGAGAATGGCATCCCCGCCAGC
CCCACCCACCTGGCCCCACAACCTGCTGCTGCCTGTAGCAGAGCTAGAAGGGAAGGAGTCTGCCAGCTCTTCCACA
GCATCCCCACCATCCTCCTCCACTGCCATCTTTTACGCCCTCTGAAACCGTGTCCAGCACAGAATCTTCCCTGGAG
AAGGAGAGGGGAGACTCCCAGTCCCATCGACCCCAATTGTGTGGAAGTGGATGTGAACTTCAATCCGGACCCCGCC
GACCTGGTGCTCTCCAGTGTGCCAGGCGGGGAGCTCTTCAACCCTCGGAAGCACAAAGTTTGCTGAGGAGGACCTG
AAGCCCCAGCCTATGATCAAAAAGGCCAAGAAGGTCTTTGTCCCCGACGAGCAGAAGGATGAAAAGTACTGGACA
AGACGCAAGAAGAACAACGTGGCAGCTAAACGGTCACGGGATGCCCCGGCGCCTGAAAGAGAATCAGATCACCATC
CGGGCAGCCTTCTGAGAGAAGGAGAACACAGCCCTGCGGACGGAGGTGGCCGAGCTACGCAAGGAGGTGGGCAAG
TGCAAGACCATCGTGTCCAAGTATGAGACCAAATACGGGCCCTTGTAACCCGTGCCCCCGCCCCGGGGCGGGGTAC
TGCCTGCACCTCAGACCTCTGCCTG

6582/6881
FIGURE 6078

MSDAGGGKKPPVDPQAGPGPGGRAAGERGLSGSFPLVLKKLMENPPREARLDKEKGKEKLEEDEAAAASTMAVS
ASLMPPIWDKTIPYDGESFHLEYMDLDEFLLENGIPASPTHLAHNLLLPVAELEGKESASSSTASPPSSSTAIFQ
PSETVSSTESSLEKERETPSPIDPNCVEVDVNFNPDADLVLSVPGGELFNPRKHKFAEEDLKPQPMIKKAKKV
FVPDEQKDEKYWTRRKNNVAAKRSRDARRLKENQITIRAAFLEKENTALRTEVAELRKEVGKCKTIVSKYETKY
GPL

6583/6881
FIGURE 6079

CATCTTTGTCAGTGCACAAAATGCGGCCCTACAGCCTACTGGTGACTCGGCTGCAGAAAGCTCTGGGTGTGCGGC
AGTACCATGTGGCCTCAGTCCTGTGCCAACGGGCCAAGGTGGCGATGAGCCACTTTGAGCCCAACGAGTACATCC
ATTATGACCTGCTAGAGAAGAACATTAACATTGTTGCGAAACGACTGAACCGGCCGCTGACACTCTCGGAGAAGA
TTGTGTATGGACACCTGGATGACCCCGCCAGCCAGGAAATTGAGCGAGGCAAGTCGTACCTGCGGCTGCGGCCGG
ACCGTGTGGCCATGCAGGATGCGACGGCCCCAGATGGCCATGCTCCAGTTCATCAGCAGCGGGCTGTCCAAGGTGG
CTGTGCCATCCACCATCCACTGTGACCATCTGATTGAAGCCCAGGTTGGGGGCGAGAAAGACCTGCGCCGGGCCA
AGGACATCAACCAGGAAGTTTATAATTTCTGGCAACTGCAGGTGCCAAATATGGCGTGGGCTTCTGGAAGCCTG
GATCTGGAATCATTACACGATTATTCTGGAAAACATATGCGTACCCTGGTGTCTTCTGATTGGCACTGACTCCC
ACACCCCCAATGGTGGCGGCCTTGGGGGCATCTGCATTGGAGTTGGGGGTGCCGATGCTGTGGATGTCATGGCTG
GGATCCCCCTGGGAGCTGAAGTGCCCCAAGGTGATTGGCGTGAAGCTGACGGGCTCTCTCTCCGGTTGGTCTCTAC
CCAAAGATGTGATCCTGAAGGTGGCAGGCATCCTCACGGTGAAAGGTGGCACAGGTGCAATCGTGAATACCACG
GGCCTGGTGTAGACTCCATCTCCTGCACTGGCATGGCGACAATCTGCAACATGGGTGCAGAAATTGGGGCCACCA
CTTCCGTGTTCCCTTACAACCACAGGATGAAGAAGTACCTGAGCAAGACCGGCCGGAAGACATTGCCAATCTAG
CTGATGAATTCAAGGATCACTTGGTGCCTGACCCTGGCTGCCATTATGACCAACTAATTGAAATTAACCTCAGTG
AGCTGAAGCCACACATCAATGGGCCCTTCACCCCCTGACCTGGCTCACCTGTGGCAGAAGTGGGCAAGGTGGCAG
AGAAGGAAGGATGGCCTCTGGACATCCGAGTGGGTCTAATTGGTAGCTGCACCAATTCAAGCTATGAAGATATGG
GGCGCTCAGCAGCTGTGGCCAAGCAGGCACTGGCCCATGGCCTCAAGTGCAAGTCCCAGTTCACCATCACTCCAG
GTTCCGAGCAGATCCGCGCCACCATTGAGCGGGACGGCTATGCACAGATCTTGAGGGATCTGGGTGGCATTGTCC
TGGCCAATGCTTGTGGCCCCCTGCATTGGCCAGTGGGACAGGAAGGACATCAAGAAGGGGGAGAAGAACAATCG
TCACCTCCTACAACAGGAACCTTACGGGGCCGCAACGACGCAAACCCCGAGACCCATGCCTTTGTACGTCCCCAG
AGATTGTCACAGCCCTGGCCATTGCGGGAACCCCTCAAGTTCAACCCAGAGACCGACTACCTGACGGGCACGGATG
GCAAGAAGTTCAGGCTGGAGGCTCCGGATGCAGATGAGCTTCCCAAAGGGGAGTTTGACCCAGGGCAGGACACCT
ACCAGCACCCACCAAGGACAGCAGCGGGCAGCATGTGGACGTGAGCCCCACCAGCCAGCGCCTGCAGCTCCTGG
AGCCTTTTGTACAAGTGGGATGGCAAGGACCTGGAGGACCTGCAGATCCTCATCAAGGTCAAAGGGAAAGTGTACCA
CTGACCACATCTCAGCTGCTGGCCCCCTGGCTCAAGTTCCGTGGGCACTTGGATAACATCTCCAACAACCTGCTCA
TTGGTGCCATCAACATTGAAAACGGCAAGGCCAACTCCGTGCGCAATGCCGTCACTCAGGAGTTTGGCCCCGTCC
CTGACACTGCCCGCTACTACAAGAAACATGGCATCAGGTGGGTGGTGATCGGAGACGAGAACTACGGCGAGGGCT
CGAGCCGGGAGCATGCAGCTCTGGAGCCTCGCCACCTTGGGGGCGGGCCATCATCACCAGAGCTTTGCCAGGA
TCCACGAGACCAACCTGAAGAAACAGGGCCTGCTGCCTCTGACCTTCGCTGACCCGGCTGACTACAACAAGATTC
ACCCTGTGGACAAGCTGACCATTAGGGCCTGAAGGACTTCACCCCTGGCAAGCCCCTGAAGTGCATCATCAAGC
ACCCCAACGGGACCCAGGAGACCATCCTCCTGAACCACACCTTCAACGAGACGCAGATTGAGTGGTTCCGCGCTG
GCAGTGCCCTCAACAGAATGAAGGAACTGCAACAGTGAAGGGCAGTGCCCTCCCCGCGCGCTGGCGTCAAGTTCAG
CTCCACGTGTGCCATCAGTGGATCCGATCCGTCCAGCCATGGCTTCTATTCCAAGTAGTGTAACCC

6584/6881
FIGURE 6080

MAPYSLVTRLQKALGVRQYHVASVLCQRAKVAMSHFEPNEYIHYDLLEKNINIVRKRLNRPLTLSEKIVYGHLD
DPASQEIERGKSYLRLRPDRVAMQDATAQMAMLQFISSGLSKVAVPSTIHCDHLIEAQVGGEKDLRRAKDINQEV
YNFLATAGAKYGVGFWKPGSGIIHQIILENYAYPGVLLIGTDSHTPNGGLGGICIGVGGADAVDMAGIPWELK
CPKVIGVKLTGSLSGWSSPKDVILKVAGILTVKGGTGAIVEYHGPVDSISCTGMATICNMGAIEGATTSVFPYN
HRMKKYLKSTGREDIANLADEFKDHLVPDPGCHYDQLIEINLSELKPHINGPFTPDLAHPVAEVGKVAEKEGWPL
DIRVGLIGSCTNSSYEDMGRSAAVAKQALAHGLKCKSQFTITPGSEQIRATIERDGYAQILRDLGGIVLANACGP
CIGQWDRKDIKKGEKNTIVTSYNRNF TGRNDANPETHAFVTSPEIVTALAIAAGTLKFNPETDYL TGTGKKFRLE
APDADEL PKGEFDPGQDTYQHPPKDSSGQHVDVSPTSQRLQLLEPFDKWDGKDLEDLQILIKVKGKCTTDHISAA
GPWLKFRGHLDNISNNLLIGAINIENGKANSVRNAV TQEFGPVPDTARYYKKHGIRWVIGDENYEGSSREHAA
LEPRHLGGRAIITKSFARIHETNLKKQGLLPLTFADPADYNKIHPVDKLTIQGLKDFTPGKPLKCI IKHPNGTQE
TILLNHTFNETQIEWFRAGSALNRMKELQQ

6585/6881
FIGURE 6081

GCGGGCCGTTATCCATTTGTGTTGTTTCGCCAGCTAGGCCTGGCCTCGTCCCGCTTCGCTCGGTCCGTCTCGCGCG
CCCCATAGCCTTGCTAGAGGGTTAGCGTTAGCCTTAAGTGTGCGAATCCGAGGAGCAGCGACAGACTCGAGACC
ACGCTCCTTCCTCGGGAAGGAGGCGGCACCTCGCGTTTGAGGCCCCGCTGCGTTTGAGGCCCCGCTGCGCTTGCG
GCCCCGCTGCGCTTGAGGCCTGTCTGCGTTTGAGATCTCATTGGGCGTGATTGAGGAATTTGGGGAGGTTTTTGG
GCGGTATTGAGGACGAGGGGGTCCGTTAGTCAGCATAGAATCCTGGAGCGGGAATCCCTCACCGTCTAAATGGCG
TCGGGGGCGGGACCTCCGGGATCTGGCTTCCGCGGGCCGCCCGGCCCTGAAACGTGAGGGATAGCTGAGATGA
GGCAGCTACTGGGATGGCCCCATGCGCATTTACATGCAGTCCGACTGCCGAGCTTTCGAGGCAGCAGGATTTAC
CGTCCACATTCCTCACTACTAACCAAGCTTTTGAACAGATCTCACAAGAACCCTAGAGGTCGGTATTTTTTCGAT
TTAAATTTGCCTGTTACTGACGTTAACGTCTTTCGCTAGTGAGCAGTAGCCAACATGTCAGGGTGGGAGTCATA
TTACAAAACCGAGGGCGATGAAGAAGCAGAGGAAGAACAAGAAGAGAACCCTGAAGCAAGTGGAGACTATAAATA
TTCAGGAAGAGATAGTTTGATTTTTTTGGTTGATGCCCTCAAGGCTATGTTTGAATCTCAGAGTGAAGATGAGTT
GACACCTTTTGACATGAGCATCCAGTGTATCCAAAGTGTGTACATCAGTAAGATCATAAGCAGTGCAGATCT
CTTGGCTGTGGTGTCTATGGTACCGAGAAAGACAAAAATTCAGTGAATTTTAAAAATATTTACGTCTTACAGGA
GCTGGATAATCCAGGTGCAAAACGAATTCTAGAGCTTGACCAGTTTAAAGGGCAGCAGGGACAAAAACGTTTCCA
AGACATGATGGGCCACGGATCTGACTACTCACTCAGTGAAGTGCTGTGGGTCTGTGCCAACCTCTTTAGTGATGT
CCAATTCAAGATGAGTCATAAGAGGATCATGCTGTTCCACCAATGAAGACAACCCCCATGGCAATGACAGTGCCAA
AGCCAGCCGGGCCAGGACCAAAAGCCGGTGATCTCCGAGATACAGGCATCTTCCTTGACTTGATGCACCTGAAGAA
ACCTGGGGGCTTTGACATATCCTTGTTCTACAGAGATATCATCAGCATAGCAGAGGATGAGGACCTCAGGGTTCA
CTTTGAGGAATCCAGCAAGCTAGAAGACCTGTTGCGGAAGGTTGCGGCCAAGGAGACCAGGAAGCGAGCACTCAG
CAGGTTAAAGCTGAAGCTCAACAAAGATATAGTGATCTCTGTGGGCATTTATAATCTGGTCCAGAAGGCTCTCAA
GCCTCCTCCAATAAAGCTCTATCGGGAAACAAATGAACCAGTGAAAACCAAGACCCGGACCTTTAATACAAGTAC
AGGCGGTTTGCTTCTGCTAGCGATACCAAGAGGTCTCAGATCTATGGGAGTCGTCAGATTATACTGGAGAAAGA
GGAAACAGAAGAGCTAAAAACGGTTTGATGATCCAGGTTTGATGCTCATGGGTTTCAAGCCGTTGGTACTGCTGAA
GAAACACCATTACCTGAGGCCCTCCCTGTTGCTGTACCCAGAGGAGTCGCTGGTGATTGGGAGCTCAACCCTGTT
CAGTGCTCTGCTCATCAAGTGCTGGAGAAGGAGGTTGCAGCATTGTGCAGATACACACCCCGCAGGAACATCCC
TCCTTATTTTGTTGCTTTGGTGCCACAGGAAGAAGAGTTGGATGACCAGAAAATTCAGGTGACTCCTCCAGGCTT
CCAGCTGGTCTTTTTACCTTTGCTGATGATAAAAGGAAGATGCCCTTTACTGAAAAATCATGGCAACTCCAGA
GCAGGTGGGCAAGATGAAGGCTATCGTTGAGAAGCTTCGCTTCACATACAGAAGTGACAGCTTTGAGAACCCCGT
GCTGCAGCAGCACTTCAGGAACCTGGAGGCCTTGGCCTTGGAATTTGATGGAGCCGGAACAAGCAGTGGACCTGAC
ATTGCCCAAGGTTGAAGCAATGAATAAAAGACTGGGCTCCTTGGTGGATGAGTTTAAAGGAGCTTGTTTACCCACC
AGATTACAATCCTGAAGGGAAAGTTACCAAGAGAAAACACGATAATGAAGGTTCTGGAAGCAAAAGGCCCAAGGT
GGAGTATTCAGAAGAGGAGCTGAAGACCCACATCAGCAAGGGTACGCTGGGCAAGTTCACTGTGCCCATGCTGAA
AGAGGCCTGCCGGGCTTACGGGCTGAAGAGTGGTCTGAAGAAGCAGGAGCTGCTGGAAGCCCTCACCAAGCACTT
CCAGGACTGACCAAGAGGCCGCGCTCCAGCTGCCCTTCCGAGTGTGGCCAGGCTGCCTGGCCTTGTCCTCAGCC
AGTTAAAATGTGTTTCTCCTGAGCTAGGAAGAGTCTACCCGACATAAGTCGAGGGACTTTATGTTTTTGAGGCTT
TCTGTTGCCATGGTGATGGTGTAGCCCTCCCACTTTGCTGTTCTTTACTTTACTGCCTGAATAAAGAGCCCTAAG
TTTGTACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6586/6881
FIGURE 6082

MSGWESYYKTEGDEEAEEEEQEENLEASGDYKYSGRDSLIFLVDASKAMFESQSEDELTPFDMSIQCIQSVYISKI
ISSDRDLLAVVFYGTEDKNSVNFKNIIYVLQELDNPGAKRIEILDQFKGQQGQKRFQDMMGHGSDYSLSEVLWVC
ANLFSQVQFKMSHKRIMLFTNEDNPHGNSAKASRARTKAGDLRDTGIFLDMHLKKPGGFDISLFYRDIISIAE
DEDLRVHFEESKLEDLLRKVRACKETRKRALSRKLKLNKDIVISVGIYNLVQKALKPPPIKLYRETNEPVKTKT
RTFNTSTGGLLLPSDTKRSQIYGSRQIILEKEETEELKRFDDPGLMLMGFKPLVLLKKHHYLRPSLFVYPEESLV
IGSSTLFSALLIKCLEKEVAALCRYTPRRNIPPYFVALVPQEEELDDQKIQVTPPGFQLVFLPFADDKRKMPFTE
KIMATPEQVGKMKAIIVEKLRFYRSDSFENPVLQQHFRNLEALALDLMEPEQAVDLTLPKVEAMNKRGLGSLVDEF
KELVYPEDYNPEGKVTKRKHDNEGSGSKRPKVEYSEEELKTHISKGTLGKFTVPMLKEACRAYGLKSLKKQELL
EALTKHFQD

6587/6881
FIGURE 6083

ATCCGTGTCCTTGCGGTGCTGGGCAGCAGACCGTCCAAACCGACACGCGTGGTATCCTCGCGGTGTCCGGCAAGA
GACTACCAAGACAGACGCTATGACTGAGGCTGATGTGAATCCAAAGGCCTATCCCCTTGCCGATGCCCACCTCAC
CAAGAAGCTACTGGACCTCGTTCAGCAGTCATGTAACATAAGCAGCTTCGGAAAGGAGCCATGAGGCCACCAA
AACCTCAACAGGGGCATCTCTGAGTTCATCGTGATGGCTGCAGACGCCGAGCCACTGGAGATCATTCTGCACCT
GCCGCTGCTGTGTGAAGACAAGAATGTGCCCTACGTGTTTGTGCGCTCCAAGCAGGCCCTGGGGAGAGCCTGTGG
GGTCTCCAGGCCTGTCATCGCCTGTTCTGTACCATCAAAGAAGGCTCGCAGCTGAAACAGCAGATCCAATCCAT
TCAGCAGTCCATTGAAAGGCTCTTAGTCTAAACCTGTGGCCTCTGCCACGTGCTCCCTGCCAGCTTCCCCCTGA
GGTTGTGTATCATATTATCTGTGTTAGCATGTAGTATTTTCAGCTACTCTCTATTGTTATAAAATGTAGTACTAA
ATCTGGTTTCTGGATTTTTGTGTTGTTTTGTCTGTTTTACAGGGTTGCTATCCCCCTTCCTTTCCCTCCCTCCC
TCTGCCATCCTTCATCCTTTTATCCTCCCTTTTTGGAACAAGTGTTTCAGAGCAGACAGAAGCAGGGTGGTGGCAC
CGTTGAAAGGCAGAAAGAGCCAGGAGAAAGCTGATGGAGCCAGGACAGAGATCTGGTTCAGCTTTTCAGCCACTA
GCTTCCTGTTGTGTGCGGGGTGTGGTGAATTAAACAGCATTCAATTGTGTGTCCCTGTGCCTGGCACACAGAATC
ATTCATACGTGTTCAAGTGATCAAGGGGTTTCATTTGCTCTTGGGGGATTAGGTATCATTTGGGGAGGAAGCATG
TGTTCTGTGAGGTTGTTTCGGCTATGTCCAAGTGTCGTTTACTAATGTACCCCTGCTGTTTGCTTTTGTTAATGTG
ATGTTGATGTTCTCCCCCTACCCACAACCATGCCCTTGAGGGTAGCAGGGCAGCAGCATACCAAAGAGATGTGCT
GCAGGACTCCGGAGGCAGCCTGGGTGGGTGAGCCATGGGGCAGTTGACCTGGGTCTTGAAAGAGTCGGGAGTGAC
AAGCTCAGAGAGCATGAACTGATGCTGGCATGAAGGATTCCAGGAAGATCATGGAGACCTGGCTGGTAGCTGTAA
CAGAGATGGTGGAGTCCAAGGAAACAGCCTGTCTCTGGTGAATGGGACTTTCTTTGGTGGACACTTGGCACACAGC
TCTGAGAGCCCTTCCCCTGTGTCCTGCCACCATGTGGGTGAGATGTACTCTCTGTACATGAGGAGAGTGCTAGT
TCATGTGTTCTCCATTCTTGTGAGCATCCTAATAAATCTGTTCCATTTTG

6588/6881
FIGURE 6084

MTEADVNP KAYPLAD AHLT KKL D LVQQSCNYKQLRKGANEATKTLNRGISEFIVMAADAEPLIILHLP L L CED
KNVPYVFVRSKQALGRACGVSRPVIACSVTIKEGSQLKQQIQSIQQS IERLLV

6589/6881
FIGURE 6085A

CCGTCGGTGAGGCGGTGCCGGGCGGGGGTTGTCTGGGTGTCATGGGCGGTGGCGACGGCACCGCCCCGCGTCTCC
CTGAGCGGGACGGCAGGGGGGGCTTCTGCGCTGAGCCGGGCGATGGACGACAGCGGCGAGCTGGGTGGTCTGGAG
ACCATGGAGACCTCACGGAGCTGGGCGACGAGCTGACCCTGGGAGACATCGACGAGATGCTGCAATTTGTCACT
AATCAAGTGGGAGAGTTCCCTGACTTGTCTTTCAGAACAGCTGTGTAGCTCCTTTCTTGGCAGTGGTGGTAGTGGT
AGCAGCAGCGGCAGCAGTGGCAGCAGCAGCAGCAGCAGCAATGGCAGGGGCAGCAGCAGCGGAGCTGTGGACCTT
TCAGTGAACGGTCATTACCCAGGTCACATTACCTTCTTCTCTCCCTCGGCGGCCTCCCCACAGGCTCCAACCT
CTGCAAGTCAAGGTTTCTCCACCTCAGTTCCCACCACACCCAGGGCAACTCCTATTCTTCAGCCCCGCCCCAG
CCCCAGCCTCAACCTCAAACCTCAGCTGCAACAACAGACGGTAATGATCACGCCAACATTACGACCACTTCCGAG
ACGAGGATCATCCAGCAGCCTTTGATATACCAGAATGCAGCTACTAGCTTTCAAGTCCTTCAGCCTCAAGTCCAA
AGCCTGGTGACATCTTCCCAGGTACAGCCGGTCACCATTACGACGAGGTGCAGACAGTACAGGCCCAGCGGGTG
CTGACACAAACGGCCAATGGCAGCTGCAGACCTTGCCCCGGCTACGGTGCAGACAGTTGCTGCGCCACAGGTG
CAGCAGGTCCCGGTCTGGTCCAGCCTCAGATCATCAAGACAGATTCCCTTGTTTTGACCACACTGAAGACAGAT
GGCAGCCCTGTTATGGCTGCGGTCCAGAACCCGGCCCTCACCAGCCCTCACCACCCCTATCCAGACGGCTGCCCTT
CAAGTACCAACCTTGGTGGGCAGCAGTGGGACCATTCTGACCACAATGCCTGTAATGATGGGGCAAGAGAAAGTG
CCCATTAAAGCAGGTACCTGGGGGAGTCAAGCAGCTTGAGCCCCCAAAGAAGGAGAAAGGCGGACAACCCATAAT
ATCATTGAGAAACGATATCGCTCCTCCATCAATGACAAAATCATCGAATTGAAAGACCTGGTCATGGGGACAGAC
GCCAAGATGCACAAGTCTGGCGTTCTGAGGAAGGCCATTGATTACATCAAATACTTGACGAGAGGTCAATCATATAA
CTGCGCCAGGAGAACATGGTGCTGAAGCTGGCAAATCAAAAAGAACAAGCTTCTAAAGGGCATCGACCTAGGCAGT
CTGGTGGACAATGAGGTGGACCTGAAGATCGAGGACTTTAATCAGAATGTCTTCTGATGTCCCCCAGCCTCT
GACTCAGGGTCCCAGGCTGGCTTCTCTCCCTACTCCATTGACTCTGAGCCAGGAAGCCCTCTATTGGATGATGCA
AAGGTCAAAGATGAGCCAGACTCTCCTCCTGTGGCGCTGGGCATGGTAGACCGCTCACGGATTCTTCTGTGTGTC
CTCACCTTCTGTGCCTCTCCTTTAACCCCTGACTTCCCTGTGTCAGTGGGAGGGGGCCACGACTCTGACCAG
CACCCACACTCAGGCTCTGGCCGAGTGTCTGTGTCATTGAGTCAGGTTCTGGGGGCTGGTTTGACTGGATGATG
CCTACTCTTCTCTTATGGCTGGTAAATGGTGTGATTGTCTGAGCGTCTTTGTGAAGCTGCTGGTTTCATGGGGAG
CCAGTGATCCGGCCACACTCGCGCTCCTCGGTACCTTCTGGAGGCACCGGAAACAGGCAGATCTGGATCTCGCC
AGAGGAGATTTTGAGCTGCTGCCGCCAACCTACAAACCTGCCTGGCAGTTTGGGCCGGGCACTGCCCACCTCC
CGCCTGGACCTGGCCTGCAGCCTCTCCTGGAACGTGATCCGCTACAGCCTGCAGAAGCTACGCCTGGTGGCTGG
CTGCTCAAGAAAGTCTTCCAGTGCCGGCGGGCCACGCCAGCCACTGAGGCAGGCTTTGAAGACGAAGCTAAGACC
AGCGCCCGGGATGCGGCTCTGGCCTATCACCGGCTGCACCAGCTGCACATCACAGGGAAGCTTCTGACGATCC
GCCTGTTCCGATGTACACATGGCGTTGTGTGCCGTGAACCTGGCTGAATGTGCAGAGGAGAAGATCCCACCGAGC
ACACTGGTTGAGATCCATCTGACTGCTGCCATGGGGCTCAAGACCCGGTGTGGAGGCAAGCTGGGCTTCTGGCC
AGCTACTTCTCAGCCGAGCCAGAGCCTGTGTGGCCCCGAGCACAGTGTCTTCTGACTCCCTGCGCTGGCTC
TGCCACCCCTGGGCCAGAAGTTTTTCATGGAGCGGAGCTGGTCTGTGAAGTCAGCTGCCAAGGAGAGTCTATAC
TGTGCCCAGAGGAACCCAGCTGACCCCATTGCGCAGGTCCACCAGGCCTTCTGCAAGAACCTGCTGGAGCGAGCT
ATAGAGTCTTGGTGAACCTCAGGCCAAGAAGAAGGCTGGAGACCAGGAAGAAGAGAGCTGTGAATTCTCCAGT
GCTCTGGAGTACTTGAATTAATTCTTCTTTGTGGACTCTGTGGGGGTTATGAGCCCCCACTCTCCAGGAGC
TCCGTGCTCAAGTCCGCCCTGGGTCCAGACATCATCTGTCTGGTGGTGGACGTCTGCAATCACTGTGGCCATCAGC
TGGCTCCAGGGAGACGATGCAGCTGTGCGCTCTCATTTTACCAAAGTGGAACGCATCCCCAAGGCCCTGGAAGTG
ACAGAGAGCCCCCTGGTGAAGGCCATCTTCCATGCCTGCAGAGCCATGCATGCCTCACTCCCTGGGAAAGCAGAT
GGGCAGCAGAGTTCTTCTGCCATTGCGAGAGGGCCAGTGGCCACCTATGGAGCAGCCTCAACGTCACTGGGGGC
ACCTCTGACCCTGCCCTCAACCACGTGGTCCAGCTGCTCACCTGTGACCTGCTACTGTGCTACGGACAGCGCTC
TGGCAAAAACAGGCCAGTGCCAGCCAGGCTGTGGGGGAGACCTACCACGCTCAGGCGCTGAAGTGGCGGGCTTC
CAACGGGACCTGGGCAGCCTGCGCAGGCTGGCACACAGCTTCCGCCAGCATAACCGCAAGGTGTTCTGTCATGAA
GCCACCGTGCAGCTGATGGCAGGAGGAGCCCCACCCGACCCACCAGCTGCTGGAACACAGCCTGCGGCGGCGC
ACCACGCAGAGCACCAAGCACGGAGAGGTGGATGCCTGGCCCGGCCAGCGAGAGCGGGCCACCGCCATCTGCTG
GCCTGCGGCCACCTGCCCCCTCTCCTTCTCTCTCTCCCCGGGCCAGCGGGCAGTGTGCTGGCCGAAGCTGCCCGC
ACCCTGGAGAAGGTGGGCGACCGGCGCTCCTGCAACGACTGCCAGCAGATGATTGTTAAGCTGGGTGGTGGCACT
GCCATTGCCGCTCTCTGACCAACAGGCTCAGCCACCCCTCCACCTCTCTCTCGATTTCTCTCTCTCCCCCTCAG

6590/6881

FIGURE 6085B

CATCTTCCCGCTGAGAGTGGTGGGGAAGAGCCTTGTCTTCTTAGCTGTCACCTGCCGAGGCTTCTGGGCCACTCA
GGCCAGTGCACCCCTGGGCAGAGCCCCTTAAAGCTGCTGTCACTAGATGCCCATGGTCCAGGGCCTGGTGGGCGT
GAGAGGATAGGTGGCAGGGCAGAACTGGGCAGCCCTGACTTGATAGCAGCAGGGGGAGCTCCCAAGCTGCCAAG
CCCCTGCCTCCAGCCTTCCTGAGTTTCTCTCTCCTGAACCCTACTCTCTCCTTTTTGCTTCCTCAGTTTTTATCA
GGCTTTCTCTGGGGGACAGCAGTCTCTGAGCACCAGGGAGCAGTTGCCCTCAGGCCTGTGCCCAGCATGCCCTCC
CCTTTTTATACGAATGTTTTCTACCAGTGTGCTTGGGTTTGCCATGATGCGAGGCTGAGTTGCTGTAGCGTCTTG
ATTCTCTCCCTGGGTCTGCGTTCCTCCCTGGGCCTGACTGAGCCTGCTCATTGTTTTCCCTTTATTACACAG
GACAGCCAGGGGAGGAGGGGGGCCAGCCCTGGGAGGCTGGTGGGAGGCAGGGGGCAGGCCTGCGGATGCATGAA
ATAATGTTGGCATTATTTTTTAATTTTTTAAAAATAAATGGTATCTTA

6591/6881
FIGURE 6086

MODSGELGGLETMETLTELGDELTLDGIDIDEMLQFVSNQVGEFPDLFSEQLCSSFPGSGGSGSSSGSSSSSSSN'
GRGSSSGAVDPSPVQRSFTQVTLPSFSFSPAASPQAPTLQVKVSPTSVPSTTPRATPILQPRPQPQPQPQTQLQQQTV
MITPTFSTTPQTRIIQQPLIYQNAATSFQVLQPVQVQSLVTSSQVQPVTIQQQVQTVQAQRVLTQTANGTLQTLAP
ATVQTVAAPQVQVQVPLVQVQPIIKTDSLVLTTLKTGSPVMAAVQNPALTALTTPIQTAALQVPTLVGSSSGTILT
TMPVMMGQEKVPIKQVPGGVKQLEPPKEGERRTTHNIEKRYRSSINDKIIELKDLVMGTDKMHKSGVLRKAID
YIKYLQQVNHKLRQENMVLKLANQKNKLLKGIDLGSLVDNEVDLKIEDFNQNVLLMSPPASDSGSQAGFSPYSID
SEPGSPLDDAKVKDEPDSPPVVALGMVDRSRILLCVLTFCLCSFNPLTSLQWGGAHDSQHPHSGSGRSVLSFE
SGSGGWFDMMPITLLWLNVGVIVLSVFVKLLVHGEPVIRPHSRSSVTFWRHRKQADLDLARGDFAAAANLQTC
LAVLGRALPTSRLDLACSLSWNVIRYSLQKLRLVRWLLKKVFQCRATPATEAGFEDEAKTSARDAALAYHRLHQ
LHITGKLPAQSACSDVHMAALCAVNLAECAEEKIPPSTLVEIHLTAAMGLKTRCGGKLGFLASYFLSRAQSLCGPE
HSAVPDSLRLWLCHPLGQKFFMERSWSVKSAAKESLYCAQRNPADPIAQVHQAFCKNLLERAIESLVKPKAKKKAG
DQEEESCEFSSALEYLKLLHSFVDSVGVMSPPLSRSSVLKSALGPDIIICRWWTSAITVAISWLQGDAAVRSHFT
KVERIPKALEVTESPLVKAIFHACRAMHASLPKADGQQSSFCHCERASGHLWSSLNVSGGTSDPALNHVVQLLT
CDLLLSLRTALWQKQASASQAVGETYHASGAELAGFQDRLGSLRRLAHSFRPAYRKVFLHEATVRLMAGGSPTRT
HQLLEHSLRRRTTQSTKHGEVDWPGQREERATAILLACRHLPLSFLSSPGQRAVLLAEAAARTLEKVGDRRSCNDC
QQMIVKLGGGTATAAS

6592/6881
FIGURE 6087A

GATTTCGAGTCAGAAGCGGCGGCAGGTCTGAACGCTTCGGTAGGATAAGTGCGGTGGGAGGGGGCTCTGCGGTTTT
GGGGAGCCCAGGGCGGGAACCCGGACCCGGCTGGAAGTCCGGAGCCTGGCCGCAGCCCCGCCCTCCGCTCTTTC
TTGGTGACCTTAAGCCAGTGGCTGCCTTTTTCTGAGCCCGGGCGGGCCGAAGGCGGCGCTAGGCCCTCGGGAC
TCCAGCACTGCAGAGGGTGTGAGGTCTGACATCCAAGACACGTTGTTTCGTATTTCTGAAGGAAGAACTGAAGC
TCCGGGAAGTGATGGCTGGGGATGGGGCGGGCAACTTGGGGACCGAGTGTACGATCCACGCCTAAGGTTGAGGGC
GGCCGAGCTAGCCAGGCAGCCGTGACCCAGTGCTTTTTAGACGTTTCTTAGCTTCCAGAGCCCAACACATACAG
CTGATACACGCAGACCAGATCTGGTCAGGTCTCGGAAGCTGAGTCCAGAGCGATGCTGCTGAAGACAGTGCTCT
TGCTGGGACATGTGGCCAGGTGCTGATGCTGGACAATGGGCTCCTGCAGACACCACCCATGGGCTGGCTGGCCT
GGGAACGCTTCCGCTGCAACATTAAGTGTGATGAGGACCCAAAGAACTGCATAAGTGAACAGCTCTTCATGGAGA
TGGCTGACCGGATGGCACAGGATGGATGGCGGGACATGGGCTACACATACCTCAACATTGATGACTGCTGGATCG
GTGGTCGCGATGCCAGTGGCCGCTGATGCCGGATCCCAAGCGCTTCCCTCATGGCATTCCCTTTCCCTGGCTGACT
ACGTTCACTCCCTGGGCTGAAGTTGGGTATCTACGCGACATGGGCAACTTCACCTGCATGGGTTACCCAGGCA
CCACACTGGACAAGGTGGTCCAGGATGCTCAGACCTTCGCCGAGTGGAAAGGTAGACATGCTCAAGCTGGATGGCT
GCTTCTCCACCCCGAGGAGCGGGCCAGGGGTACCCCAAGATGGCTGCTGCCCTGAATGCCACAGGCCGCCCA
TCGCTTCTCCTGCAGCTGGCCAGCCTATGAAGGCGGCTCCCCCAAGGGTGAAGTACAGTCTGCTGGCGGACA
TCTGCAACCTCTGGCGTAAGTATGATGACATCCAGGACTCCTGGTGGAGCGTGCTCTCCATCCTGAATTGGTTTCG
TGGAGCACCAGGACATACTGCAGCCAGTGGCGGGCCTGGGCACTGGAATGACCCCTGACATGCTGCTCATTGGGA
ACTTTGGTCTCAGCTTAGAGCAATCCCGGGCCAGATGGCCCTGTGGACGGTGCTGGCAGCCCCCTCTTGATGT
CCACAGACCTGCGTACCATCTCCGCCAGAACATGGACATTCTGCAGAATCCACTCATGATCAAAATCAACCAGG
ATCCCTTAGGCATCCAGGGACGCAGGATTACAAAGGAAAAATCTCTCATCGAAGGTACATGCGGCCTCTGTCCA
ACAAGGCTAGCGCCTTAGTCTTCTCAGCTGCAGGACCGATATGCCTTATCGCTACCACTCCTCCCTTGGCCAGC
TGAAGTTCACCGGGTCTGTGATATATGAGGCCAGGACGTCTACTCAGGTGACATCATCAGTGGCCTCCGAGATG
AAACCAACTTCACAGTGATCATCAACCTTCAGGGGTAGTGTGTTGTTACCTGTATCCCATCAAGAACCTGGAGA
TGTCCAGCAGTGAGGAGCTGGGACATGTGACAGGCTGTGGTGGCACCCTGAGCCTAGACCATGGAGCCTTGGC
ATGCCAGGGCAAGTGGGGAGGTCTCTGCTCCCCAGGCCTGCTCGGTGACTGACCCCATCATACCCAAAGTGCA
ATCTCACGGCCAGGTTCTATGCCCTGTCCAAGCGTAAACCTCTTGGAACTTCTTTTGGGGCAATTTTCTGTG
GCCTTCTGGCCTCTACTTCCATGTGCGCAGCCCCACAGACGTTGCTGAGCAACTCGCCAGCCTCCTGAGCTCCA
TGCCCATCAGGACTCTAGCCTCTGACCTTGCTGTGACTCTGAAATCAGGATTTGGAAGTTTTTGAATTAGGAGT
AGAGAGATCTGACCTCTTGCCAGGAATGCCATGGATCATGTGATTGGCTTTTCTACCCATAGAGGGCCTTGCA
CCTGATACCACCTGGGAGTGAGGGTCACAAAGGAGACCTTGGCTCCCTCAGGTACCAATAAACCTGTTCTTTAA
TCAAGTAGTTGTAATATGGACCTGGGGTACCTTTAGTTAGGACTCTGGTGGCACTACACGGGGTGCTGGATTCA
AATCTCACCTCTATGGATGATGTCTGGCATCGTCTGGCCCCCTCTTTTCCAAAGTGACCAGAAGATTGTACTTCC
TAGAGATGCCAGACTTGCCCTCACACCCAGGAGCTGCCCTGCTGTGCTGCTGATGCTGGCAGTGGTGATGGTGAC
AACACAATGAGGCCAAGTAGCAATGCTCCAGGTCTGCAGCTTGTGCTCTGCCAGCAGTGGCCCTGGCCAGC
ACCTCAGCCTGCTCTTCTCTCTGGTGGCTCCACCCCAACCCCTACTTCTTTTCTTTTCTCTCCCAACCTGG
CTGCAAAGGAGGTTTATATTCCCCAGATGTGTCCACAAACCTGTCCAGGAGTTGTGTCTTAAATTTGATTTCCTG
TCCCTCTTCTAAGGACAGGGGTAACAGTCAAAGTGAAGGAATGATGGGTTCTTGCCTGTCTTGCTTTGGTCCGT
ATTTCCCAAGCCCTCCTCTTTTAGCCAAGGCTACAGGGCACTTGTCTTCCCTGGTGGCTCTCCCTTTGGAGAGA
GCTAGTGGCAGAGCAACCTAGCTAGGTCTCCTTGGGCTTTGAATGCAGGAGCACCCAGTGCCCCAGGCCTTGCA
CTGTGCTGCCCAAGGAGTATTTTCTGGGTGGATCTCCCATACTCCTCAGGGTTCTGAGGTCTTGTATTTAGGGT
ATGGTGTAAAACTTACATATGCACATTTTGTACATCATTTAAGATGATTGAAGCTTTACTGGTTAAGTATAGG
GTCACCAGAGAAAGTTTCTTTCCCAAGTTGATGTCTTGGGCTGTGAGAACTTAGGACAGAAGCCTACCTCAT
CCCAGGCTGCCCTCCGTGCATAGCTCTGCCTTTGGGTCTTGTTCATAGTGCTGTTACAGGCAAAATGGAATAGT
CTCAGGTGGGAACACCTTCTTGTGCTAGCTCCAGGAAGGCTTTGTGGGAAATGAGTTGAGACCATGGACTTGGGA
GTTGGGGGCCAGAGTTGAGCCTGGACTTGACCAATTAATTCCCTTACCTTTCAGCCCAAGATAGCTACATGTCTT
TACTTGCTGTATAAGTTTTCTTTTGTCTGGGGGTGCCTGATTGATCCTATCTCTTACCCTTCATTCTTTCAA
CAACATGCCATCTATCTCCAGGACATTTATTCCCTTCTATTCAAGGCCAGTTAGGAATGCAATTATTTTTTTT
TTTCAGTTAAATACAGACTTGTTTGGACGCAAGGTACCCTTTCTCTTTTAAAACTTTTTTATCATGAAACTTT

6593/6881
FIGURE 6087B

CAAATACAAAAATAAAATGGTAGAGTGAACCTCCATG

6594/6881
FIGURE 6088

GAGAGTGTCTCTGCCTGGTCTCTGTGCCTGGTGGGGTGGGGGTGCCAGGTGTGTCCAGAGGAGCCCAGTTGGTAG
TGAGGCAGCCATGGGGCTAGAAGCACTGGTGCCCTGGCCATGATAGTGGCCATCTTCTGTCTCTGGTGGACCT
GATGCACCCGGCACCAACGCTGGGCTGCACGCTACCCGCCAGGTCCCCTGCCACTGCCCGGGCTGGGCAACCTTGC
TGCATGTGGACTTCCAGAACACACCATACTGCTTCGACCAGTTGCGGGCGCCGCTTCGGGGACGTGTTACAGCTGC
AGCTGGCCTGGACGCCGCTGGTCTGTGCTCAATGGGCTGGCGGCCGTGCGCGAGGCGATGGTGACCCGCGGCGAGG
ACACGGCCGACCGCCCGCTGCGCCCATCTACCAGGTCTGGGCTTCGGGCCGCTTCCCAAGGGGTGATCCTGT
CGCGCTATGGGGCCGCTGGCGCGAGCAGAGGCGCTTCTCCGTGTCCACCTTGCGCAACTTGGGCCTGGGCAAGA
AGTCGCTGGAGCAGTGGGTGACCGAGGAGGCGCCTGCCTTTGTGCCGCTTCGCCGACCAAGCCGGACGCCCCCT
TTCGCCCCAACGGCCTCTTGGACAAAGCCGTGAGCAACGTGATCGCCTCCCTCACCTGCGGGCGCCGCTTCGAGT
ACGACGACCTCGCTTCCTCAGGCTGCTGGACCTAGCTCAGGAGGGACTGAAGGAGGAGTCGGGCTTCCTGCGCG
AGGTGCTGAATGCTGTCCCGTCTCCCGCACATCCCAGCGCTGGCTGGCAAGGTCCTACGCTTCCAAAAGGCTT
TCCTGACCCAGCTGGATGAGCTGCTAACTGAGCACAGGATGACCTGGGACCCAGCCAGCCACCCCGAGACCTGA
CTGAGGCCCTTCCTGGCAAAGAAGGAGAAGGCCAAGGGGAGCCCTGAGAGCAGCTTCAATGATGAGAACCTGCGCA
TAGTGGTGGGTAACCTGTTCTTGGCGGGATGGTGACCACCTCGACCACGCTGGCCTGGGGCCTCCTGCTCATGA
TCCTACACCTGGATGTGCAGCTCCGTGTCCAACAGGAGATCGACGACGTGATAGGGCAGGTGCGGCGACCAGAGA
TGGGTGACCAGGCTCACATGCCCTGCACCACTGCCGTGATTACGAGGTGCAGCGCTTTGGGGACATCATCCCCC
TGAGTGTGACCCATATGACATCCCGTGACATCGAAGTACAGGGCTTCGCGATCCCTAAGGGAACGACACTCATCA
CCAACCTGTCATCGGTGCTGAAGGATGAGGCCGTCTGGAAGAAGCCCTTCGCTTCCACCCCGAACACTTCCTGG
ATGCCCAGGGCCACTTTGTGAAGCCGGAGGCCTTCCTGCCTTTCTCAGCAGGCCGCCGTGCATGCCTCGGGGAGC
CCCTGGCCCGCATGGAGCTCTTCTCTTCTTACCTCCCTGCTGCAGCACTTCAGCTTCTCCGTGGCCGCCGGAC
AGCCCCGGCCCAGCCACTCTCGTGTGCTCAGCTTTCTGGTGACCCCATCCCCCTACGAGCTTTGTGCTGTGCCCC
GCTAGAATGGGGTACCTAGTCCCCAGCCTGCTCCCTAGCCAGAGGCTCTAATGTACAATAAAGCAATGTGGTAGT
TCCAACCTGGGTCCCCTGCTCACGCCCTCGTTGGGATCATCCTCCTCAGGGCAACCCACCCCTGCCTCATTCCT
GCTTACCCACCCGCTGGCCGCATTTGAGACGGGTACGTTGAGGCTGAGCAGATGTGAGTTACCCTTGCCCATAA
TCCCATGTCCCCCACTGACCCAACTCTGACTGCCCAGATTGGTGACAAGGACTACATTGTCCTGGCATGTGGGGA
AGGGGCCAGAATGGGCTGACTAGAGGTGTCAGTCAGCCCTGGATGTGGTGGAGAGGGCAGGACTCAGCCTGGAGG
CCCATATTTTCAAGCCTAACTCAGCCACCCACATCAGGGACAGCAGTCTGCCAGCACCATCACAACAGTCACC
TCCCTTCATATATGACACCCCAAAATGGAAGACAAATCATGTGAGGGAGCTATATGCCAGGGCTACCTCCCAGGG
CTCAGTCGGCAGGTGCCAGAACATTCCCTGGGAAGGCCCCAGGAAAACCCAGGACCGAGCCACCGCCCTCAGCCT
GTCACCTTGTGTCCAAAATTGGTGGGTTCTTGGTCTCACTGACTTCAAGAATGAAGCCGTGGACCTCACGGTGA
GTGTTACAGTTCTT

ACACCATCCTCTTAGTTGCTCAGACTGAAAAACCTAGCAGCCATCCTGGATTCTCTCACAAGTGCCTATTCAACAGT
GTGAATGCATGAGTGGAAAGCTGAGTTCGCACTCGTGACTGGCCGGGGTCAACTCTGACATTCGCTCCCACTTTC
GCGCGCTGATTTATCTCTGAGCGGATGAAGGTTGGGCCATGGCGGGCGGGGCCGGGGAGGCGGGCTTGGAGTGAG
GGGGCGGGGCAGGCGCCACGAAAAACGCGCTCGCGCCGGCGCCGAACCGCAACTCCCGGCGGGCCCCCGCGCTCCCG
GGTGGCAAGATGGTGGCGCGCAGGAGGAAGTGCGCCGCGCGGGACCCGGAGGACCGTATCCCCAGCCCCACTGGGC
TACGCACTATTCCAATCAAGTTCTCTGAAAAAGCAACAGGCTTCTCACTACCTCTATGTGAGAGCACACGGCGTT
CGACAAGGCACCAAGTCCACCTGGCCTCAGAAGAGGACTCTTTTTGTCTCAATGTGCCCCCATACTGCACAGAG
GAGAGCCTGTCCCGCCTCCTGTCCACCTGTGGCCTCGTCCAGTCTGTAGAGTTGCAGGAGAAGCCGGACCTTGCT
GAGAGCCCAAAGGAGTCAAGGTCGAAGTTTTTTCATCCCAAGCCAGTTCCGGGTTTTCCAGGTAGCCTATGTGGTG
TTCCAGAAGCCAAGTGGGGTGTGACGCGCCTTGGCCCTGAAGGGCCCCCTGCTGGTGTCCACAGAGAGCCACCTT
GTGAAGAGTGGCATTACAAAGTGGATCAGTGACTACGCAGACTCTGTGCCCGACCTGAGGCCCTGAGGGTGGA
GTGGACACGTTTCATGGAGGCATATGACCAGAAGATCGCTGAGGAAGAAGCTAAGGCCAAGGAGGAGGAGGGGGTC
CCTGACGAGGAGGGCTGGGTGAAGGTGACCCGCCGGGGCCGGCGGCCTGTGCTCCCCCGGACTGAGGCAGCCAGC
TTGCGGGTGTCTGGAGAGGGGAGAGACGGAAGCGCAGCCGAAAAAGAGCTGCTCAACTTCTACGCCTGGCAGCATCGA
GAGAGCAAGATGGAGCATCTAGCGCAGCTGCGCAAGAAGTTTCGAGGAGGACAAGCAGAGGATCGAGCTGCTGCGG
GCCAGCGCAAAATTCGACCGTACTGAGCTGTGAGAGCCGCAAGTGAATGGCTGGAGGTGCAGGGCCAGGAGGAGG
CGAGGCAGGGCCTGCAGCGGTCTCTGAGAGGCCGAGCTCTGGCCAACGGGGCCCCAGGTTGAAGGCCACCGCGTCC
AACAGCCCCATCAGAGTCCACACAGGCCAGGAGGGAAAGGACCAGGCCACCCCTCGGGTCTTGTGCTTCAGCAGTC
CTGGGGACCCAGGCGTGGCGAGAGGAGGACTTGTCTTCTCTGCTTCTTGCCTCCACACCCTCCTCTCCAGGACCC
TGGATGAATCCGTTCTGTGCTTCCCTTTTCCCTCAATGCAAAAAGCCCTTGTGGAACGAAAAAGCCTCAAAAAGCA
GTGAGAATACAAGAACCTTTTATTTTCCATCCAGTTGGGCAGCAGGGAAAGGCTAGGTGGGCCCAGCCGCCCTT
CCTTCTCCAGCTGGCTGGAGATTATTAGCCAGGAGACAGCAGCCCTGGAACCCAGACTCTGTCTCCCCCTTGAG
GTCACAGATGTTGAAGTTGGAATCTCGCTCCTTCCCTGACTACCATCCTAGGCTGGGCCTCAAGACTAGTGAGG
CCTGTCCCCACCATCCCTGGCCTTGTGTGGGGCTCAGGAACCTCAGAGTCCAGTGTTGAGTCTGGGAGCACTAG
GTCTTCATAGTTCCAGGCCCAGAGCTACAGCTGGGCTGGGAGCGTGTGTGTGCACTGTAAGAAGGAGCTGATGAT
ACTGGCCACGTGCTGGGGTTCGCTCATGTGGACACAGTGATTGCCTGGGACTTCCACAAACTGGAACCGCTCTTT
GAGGGTGGATTTTCAATTGTGTCTATCATGAACGACAGGGACTCCTTGTGAGAGTAATTCTCTTTGGATCAAATA
TCCGTGGACTGCTTTGATCAACAGGACATGGGCCTGCAGCTTCTGATGGAATGCGCACACAGCTCCCTGCTGAC
GAAGTCAATGCTGTTCTCTGCC

6596/6881
FIGURE 6090A

CGATGAAGTGCAACCTTCACATGAATGGGAATGTTATCACCTCAGACCAGCCCATCCTGCTGTGAGTTCCAAAGG
CGGGGTGCTGGGGAGAGGCAGCTCCGTCCATCTCTTTTGTCTAATGGGTAAACTGCCTGCATCACAGCTCCCC
TTCATCCCCCATTCCTGTTTCTCTGTTCTAATGGCAGCTGGCCGTTTCATATGCTTAAACTTGACCAAAATGGT
TTGCTTTGTTATTTCCCCAGGGCTTGACCCTATAGGGACTAGCATTATGATCTCGTTCTCAGCTTTCTGATTTAG
AAATATCTGAGTGGAAGTTGGAGGGGGAGGCTGCTTGGGTCTCCTAGCTGTGTGCATCATCCCGGGAACAGAGAA
CTCCACTGCATGATTGGCTCTGATGGAGACAGTGCCAGATGCTACCCCTTATTTTGTTCCTCCAGTGAGGTTTTTT
GTTTGTGTTGTTGTTGTTGTTGTTTTGCTTTTTTTCAGTTATTTTGTGAGAGTCTCACTGTGTTGCCAGGTTGGTTT
CAAACCTCCTGGGGTCAAGCAACCCTCTCCCTCAGCCTCCTGAGGACCTGGGACTATAGGCGCACACCATCACGC
CCAGCTGGATTGTTGCTTTTAAGTACAGTGGGAAGCCATTGAAGGCTTTTGTGTCACACAGCTGAGTATACATGCC
TGGCCCAGGACTGAGGGATGTTTTGAAGCCTGAGATGCATAAAATGTTGAGACTGTGAGGACTTCACCTTCTAGA
TAAGGAAGCAGATACCAGGGAGGAGGTTAGACTTGCCAGGGTGAGTGGGATAGTGTGGGGCAGGGCTGAAATAGA
CTTTGAGATTTAAAAAGACTAGGATTTGAACCTGGGTAAATGAATTATGTGATTTGGATAAGTTCTTAAACTGTG
TTCAAGGAATAAGAAATATTTCTTAGGGTTTTGTAACCTAATAAGTTTGGGAAGTACTGGGCTAAACAGAGTTAC
ATCTGTTTCACTTTGGGCTTCTCAGATTGTGTAATATGCTAATGGATGTTACCATCCAGAAGGAACATGCAGTG
TTTCTTAAACTTAAAACCACAATTAGCCAGGTGTGGTGGCATGCACCTATAGTCCCAGTTACTTGGGGGGCCGAG
GTGGGAGGATCGCTTGAGCCTGGAAGATCGAGACTAGTGAGCCATCATCATGCCACTGCACCTTCAGCCTGGGTGA
CAGAGTGAGATTCTGTCTCAAAAAAACCCACAAAACCTAGAACATACAGCACTGCCTGCGTCTCCATTTTCTG
ATCAGTAAATAAGAAAAACACAGCCTGGGCCACATAGCAAGACCTGGTCTCTACAAAAAATTTTAAAAATGAGCC
AGGCATGGTGGTACACGCCTGTAGTCTAGCTCCTTAGGAGGCTGTGGCAGGAGAACTGCTTGAGCCTAGGAGAT
GGAGGCTGATGTGAGCTGTGATTGAGTTTGTGCGAGGTGGAATGAGATGAAGGGGTATGGAAAGTGTACACCC
AGTGCCTAGCTCATGACAGATGCCAGTAAATGGTGGGTCCCCTCCCCTCTAAGGAAAACTGACAAGAATTTT
TGACTCTTCTCTGCTCTCCACAGGCGGCTGAGTGACAGCCCATCAATGAAAAAGGAGAGCGAGCTGCCTCGCAGG
GTGAACTCTGCCTCCTCCTCAACCCCCCTGCCGAAGTGGACCCTGACACCATCCTGAAGGCACTCTTCAAGTCC
TCAGGGGCTCTGTGACCACGCAGCCACAGAATTCAAAATCAAGCTTTGAGCAGGGGAGTGAGGCAGCCAGAAG
TGGGGGCAGAGGAGGGTGGCTCTGTTTCCCCAAGGCAAAGCTTATGACCAATGGGCCATCGGACTGGAGACCCCT
GATTGTGGGAAGGGTTGCCAGGGATAAAGAGCTTCCTCACTGGATGGGACCCGCTTTTCTGTGTTGTGTTCTGCC
CTGTGCTCTTCTCTCTACGTTAACGTTTCTGTAGTATGTTTCTTCACTCATCGCCAAGGTAGGCTTGTGTTTT
TCAGTGTGTGCCTCCCCGAGCCTCAGCCCCAAGCTGATTTCTTATCTGAAATGGTACACTGAATTTCTCTGGGTG
GCTTTTCTTGTGGCCCCATGGGATGCAGCGTGGGGGCTGTCTGAAGGACCCTGCTTTTTTCCAGGGGCCGAGGGCT
GCCTTTTCTTTGTGTGTATTAAGCTTTTCAAACAATGGAGGGGATGGAGAGCCCTGGTGTCTGACGGGAGCCAG
GTGCGCCTGAGAGCTGTGCCGCTCCTCTGTCTTGTGAGTGGAGGTGCCTGGGTGGGGAGCAGGTCTCAGGCCTCT
TGTCTCTCCCCAGTGGCTCCAGGCCTCACTAGTGGCAAGGGCAGGATGAGGCTGCACCGCTGGGAAGAGTCTAT
CTAAGCTCTTGGCTTGGAGTCCCGTGTCTGCTCTCCACCCAGAGGAAGTTCTCCAGAGTTACCTTTCCCTTTTCT
TGAGTTGTGCTGAATGCCCCACCCAGCTCTCTTTCCCTTCTGGGTGTCTTTGCTGGGAGGGGGCTGTGTTGTGA
GCCCTCCCGTTTCTACCTCGCCTGGCACTTAACCACACCCTGGTTTTGTGTAGCCGCCAGCTCTCTTCTGGTTG
GGCCTTTGAAAGGCTCAGCCTCCCATTTGTGCAGTGCTTGGGTTTGGAGCTTATTTGAATGGAAGAGGTCAGTTT
TTCTTGGCTCTCCATTTCTGGCCTCAGTTGTCTACAGGACAGTGGTCAGGGATGCCTGGAGGCATATATCCAGCT
GCCACCAAGGGGCACTGTTTGTTCCTACTTATGTGAGTGACCCCATCCATCCATGACCAGAGGATTATTTCTCTG
CCTTGGCAGAGGAGGAGGAGTCAAGGGAGCAGGGCAGCTCTACCAGGCAAGGTGTTTCCCCAGCATAGGCGCAGA
CAGTTGGGACGAACTTCAGAGCCCAGGCAGTCCCTGAATGACCAGGCCAGTGTTGTCACTGAGTGGTCCCCTGC
TGGTTGGGAGTGAAGAGAATCCAGGCTGGCAGAGCTGGAGCCAGTTGGGGAGCACGGTTCTGGGAGCTCTGCAAA
ATCAGTAGCAAGTGCTGGAAAAGGCACATGCCGAAGATACTCAAGAGCTCCCAAGATTTGCTTGAGGCTAGCCCCA
GTGAAAAAACAGAGACTCATGTTTCCAGGGGTGAGTCTGTGAGGCAGGAAGGACCCAGGATTTGAACCCAGCT
TCAGTGTGCAGGCTCTGAGGCTGCCAGGACGGGAAAGTCCAAGGAAGGGCCTGGTGGTGTCTCACTTGCAGTT
CTTTAAAGAATGCTGCTTTTATTTCTCCTAACCTTTTCAAGTGGGTGCAGACTTCTCGTTAGCAGCTGGAAAGACA
TTCTTCCACACTTTTCCCTTCTTGGCCCCAAGAGAGCATCCAGAAGGCAGTAGGACCTGGTTTTTTCAGGTACTGG
GAGCCGGGGGCTCACTGCTTGCAGTGTGCTTAGGGTAGGGATGGTAAATATCCTCCCTGCATGGCTTTATCCTCC
CTCTCATCCCAAAGCAGGTATCTTCTGGTTGTACAGAGTTTCATTGAGTCCAGCTGCAGCCACGTGGCCATCTG

6597/6881
FIGURE 6090B

GAGCTGGTGCTATAGGTGACCATCTGGTACATTGAGGGGACCTGTTTGCCTCCTCCACTCTATAAGCAGTCATCT
TGGGAGACCGGGAGGAGAAGGTGGTGGGCTAGTCCTGTGTCTCCTCCACTTCCCATGCCTCTATGTTACCCATC
TGTGTCTCCTGTGCAGAAGGAGAGGAAGGGGCATTAAGAGATGAAGGGTGATTATGTATTACTTATCCATTTCTG
AATAAACATTTGTTATTCCCTACCTTTGAGTTATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTAGACAAAGTCTCAC
TCTGTTGCCAAGGCTGGAGTGCAGTGGCACTATCTCAGCTCACTGCAACCTCCGCAGCCAGACTCAAGTAATCCT
CCCACCTCAGCCTCCCAATTAGCTGGGACTGCAGGCGTGCATCACCATGTCTGGCTAATTTTTGTAGAGATGAGG
TTTACCATGTTGCACAAGCTGGTCTTGAAATCCTGACCTCAGGTGGTCTGCCTGCCTCGGCCTCCCAAAGTTGG
AATTAACAGGCGTGAGCCACCACGCCCAGCCAAGGGTTTTAATCTTGCAGGGATTTCAACATTTGGGGTGGAACCT
TAATTATTTAAAAAATAGAGACAGATTCTTGCTATGATACCCAGGATGGTCTTGAACCTCTGGGCACAAGTGATC
CTCCTGCTTCAGCCTCTCAAAGTGTGAGTTACAGGCATGAGCCACTGCTCCCCACCAGGGATGCAAATTACTT
GATACTCCTCTCCAGAAGGTGGGGTCTGTGCCCCCTCTGAACCCAAGTGCTCTGTTACTACTTTGACCAGAT
GTGACTCTGCCATTTCTGTGCCTAGGCTTTTAAAGATGGTCACTTCTCCATTTCTGTGCCTGGAACATTCTCTG
GGAGCCTTGACACCACATTTGAAGTTGCCTATTGGGGCCAGCATGGTGGCTCACGCCTGTAATCCCAGCACTTCA
GAAGGCCGAGGCAGGCAGATCGCATGAAATCAGGAGTTTGAGACCAGCCTAACCAACGTGGTAAAACCCCTGTCTC
TACTAAAAAATTACAAAAATTAGAGGGGCGCGGTGGTGGGCGCTTGTAATCCCAGCTATTGAGGAGGCTGAGGCAG
GAGAATCACTTGAACCCGGGAGGCGGAGTTTGAGTGAGGTGAAATCACGCCACTGCACTCCAGCCTGTGCAACA
GAGCGAGGCTCTGTCTCAAAAGAAAAAAATAGTTGACTGTGCGTTTGGCATGGTGGCTCATGCCTCTTGTCCCA
GCATTTGGGATGCTGAGGCAGGAAGATTACTGGAGCTCAGGAGTTTCGAGACCAGCTTGGGCAATATAGTGAAGC
CCTATCTTTACAAAAACGAAAAATTAGCTCAGCTACTCAGGAGCCTGAAATGGAGGATCATTTGTGCCCAGGAG
GCAGAGGTCGCAGTGAGCTGTGATCATGCCACTATACTCCATCCTGGGCAACACAGTGAGACGGCAGAAAAAAA
AAATAGTTGACTATTGAGTCTCATATCTGATTGCCACCTGACATCTCCCCTGAGTGGCCTAATGGGCATCTCAC
CACGGCCACAGAGAACTGATCTACTCGATTTTCCCTAAGCTGGCCCCCTCTCCTGCAGTCTACCCATGTCAGTCA
ATGGCAACACCATCCTCTTAGTTGCTCAGACTGAAAAGCTAGCAGCCATCCTGGATTTCTCTCACACTGCCTATT
CAACGTGTGAATGCATGAGTGGAAAGCTGAGTTTCGCACTCGTGACTGGCCGGGGTCGACTCTGACATTCACTCCC
ACTTTGGCGCGCTGATTTGCCTCTGAGCGGATGAAGTTGAGCCATGGCGGGCGGGGCCGGGGAGGCGGGCTTGG
AGCGAGGGGGCGGGGCAGGCGCCACAAAAACGCGCTCGCGCGCGCGCGGAAACCGCAACTCCCGGCGACCCCCGCG
CTCCCGGGTGGCAAGATGGTGGCGCGCAGGACGAAGCTCGCGGCGCGGGACCCGGAGGACGGTATCCCGAGCCCA
CCGTGCTACGCAGGTGAGGGGATCCGGAACGCGAGACCGGGGGCGGCCAGCATCGCCGGGAGGTGTTTGGGGGCT
GGCGGCGCGCGGGGGTCCCCAGGAGCGGCCGC

6598/6881
FIGURE 6091

CGAGAGTTGGTCCGCGGACGCCGGAAGTAGTTTCGTCGCTCCCTAGCGGCCGAAGGGGCGGGCTCGCGGGGTCTCG
ACTGCTTTCGGCTTGCTCGGCGGAGCAAGATGGCGGACATCTCCCTGGACGAACTCATCAGGAAGCGCGGGGCGG
CGGCGAAAGGACGGCTTAATGCCAGACCGGGAGTTGGAGGTGTCCGATCTCGAGTTGGGATCCAGCAAGGCCTTC
TCAGCCAGTCAACACGCACAGCCACCTTCCAGCAGAGATTTGATGCCCCGCGAGAAGATTGGCCTCTCAGATGCCC
GGCTCAAACTGGGAGTCAAGGATGCCCCGGGAGAAGCTTTTGCAGAAAGATGCCCCGATTTTCAATCAAAGGGAAAG
TGCAGGATGCCAGAGAGATGTTGAAGTCTCGCAAGCAGCAGACCACGGTGCCCCAGAAGCCCCGCCAGGTTGCTG
ATGCCCCGGGAGAAGATCAGCTTGAAGAGGAGTTCCCCTGCTGCCTTCATAAACCACCCATTGGGACAGTGACCC
CTGCTCTGAAGCTCACCAAACCATCCAGGTTCCACAGCAGAAAGCCATGGCACCACCTTCATCCCCATCCTGCCG
GAATGAGAATCAATGTTGTCAATAACCACCAGGCCAAACAGAATTTATATGACCTGGATGAAGATGATGATGGTA
TAGCTTCCGTTCTACTAAACAGATGAAGTTTGCAGCCTCAGGCGGCTTTCTCCACCACATGGCTGGGCTAAGCA
GTTCCAAGCTTTCCATGTCCAAGGCCCTCCCTCTACCAAAGTGGTTTCAAGATGATGCATACACAGCTCCTGCTC
TCCCTTCTCTATTTCGAACAAAAGCCTTGACCAACATGTCCCGGACACTGGTGAACAAGGAAGAACCCCCCAAAG
AGCTGCCAGCTGCTGAGCCTGTTCTCAGCCATTGGAAGGCACCAAGATGACTGTGAATAATCTGCACCCTCGAG
TCACTGAGGAGGACATTGTTGAGCTTTTCTGTGTGTGTGGGGCCCTCAAGCGAGCTCGACTGGTCCATCCTGGGG
TAGCGGAGGTGGTGTGTTGTGAAAAGGACGATGCCATCACCGCATATAAGAAGTACAACAACCGGTGTCTGGACG
GGCAGCCGATGAAGTGCAACCTTCACATGAATGGGAATGTTATCACCTCAGACCAGCCCATCCTGCTGCGGCTGA
GTGACAGCCCATCAATGAAAAAGGAGAGCGAGCTGCCTCGCAGGGTGAAGTCTGCCTCCTCCTCAACCCCCCTG
CCGAAGTGGACCTGACACCATCCTGAAGGCACCTCTCAAGTCTCAGGGGCCCTCTGTGACCACGCAGCCACAG
AATTCAAAATCAAGCTTTGAGCAGGGGAGTGAGGCAGCCAGAAGTGGGGGCAGAGGAGGGTGGCTCTGTTTCCCC
AAGGCAAAGCTTATGACCAATGGGCCATCGGACTGGAGACCCCTGATTGTGGGAAGGGTTGCCAGGGATAAAGAG
CTTCTCACTGGATGGGACCCGCCTTTCTGTGTTGTGTTCTGCCCTGTGCTCTTCTCTACGTTAACGTTTCTCT
GTAGTATGTTTCTTCTCATCTCATCGCCAAGGTAGGCTTGTGTTTTTTCAGTGTGTGCTCCCCGAGCCTCAGCCCCA
AGCTGATTTCTTATCTGAAAATGGTACACTGAATTCTCTGGGTGGCTTTCTTGTGGCCCCATGGGATGCAGCGTG
GGGGCTGTCTGAAGGACCCCTGCTTTTTCCAGGGGCCGAGGGGCTGCCTTTCCTTTGTGTGTATTAAGCTTTTCAA
ACAATGGAGGGGATGGAGAGCCCTGGTGTCTGACGGGAGCCAGGTCGGCCTGAGAGCTGTGCCGCTCCTCTGTC
TTGTCACTGGAGGTGCTTGGGTGGGGAGCAGGTCTCAGGCCTCTTGTCTCTCCCCAGTGGCTCCAGGCCTCACT
AGTGGCAAGGGCAGGATGAGGCTGCACCGCTGGGAAGAGTCTATCTAAGCTCTTGGCTTGGAGTCCCGTGTCTGTC
TCCACCCAGAGGAAGTTCTCCAGAGTTACCTTTCCCTTTTCTTGAAGTGTGCTGAATGCCCCACCCAGCTCT
CTTTCCCTTCTGGGTGTCTTTGTCTGGGAGGGGGCTGTGTTGTGAGCCCTCCCGGTTCTCACCTCGCCTGGCACTT
AACCACACCCCTGGTTTTTGTGTAGCCGCCAGCTCTCTTCTGGTTGGGCCTTTGAAAGGCTCAGCCTCCCATTTGTGC
AGTGCTTGGGTTTGGAGCTTATTTGAATGGAAGAGGTCAAGTTTGTCTGCTGCTTCCATTTCTGGCCTCAGTTGT
CTACAGGACAGTGGTCAGGGATGCCTGGAGGCATATATCCAGCTGCCACCAAGGGGCACTGTTTGTTCCTCACTTA
TGTGAGTGACCCCATCCATCCATGACCAGAGGATTATTTTCTGCTTGGCAGAGGAGGAGTCAAGGGAGCA
GGGCAGCTCTACCAGGCAAGGTGTTTCCCAGCATAGGCGCAGACAGTTGGGACGAAACTTCAGAGCCCAGGCAG
TCCCTGAATGACCAGGCCAGTGTGTCACTGAGTGGTCCCCTGCTGGTTGGGAGTGAAGAGAATCCAGGCTGGCA
GAGCTGGAGCCAGTTGGGGAGCACGGTCTGGGAGCTCTGCAAAATCAGTAGCAAGTGCTGGAAAAGGCACATGC
CGAAGATACTCAAGAGCTCCCAAGATTTGCTTGAGGCTAGCCAGTGAAAAAAACCAGAGACTCATGTTTCCAGG
GGTCAGTCTGTGAGGCAGGAAGGACCCAGGATTTGAACCCAGCTTCAGTGTGCAGGCTCTGAGGCTGCCAGGAC
GGGAAAGTCCAAGGAAGGGGCTGGTGGTGTCTCACTTGCAAGTTCTTTAAAGAATGCTGCTTTTTATTCTCCTAA
CCCTTTCAAGTGGGTGCAGACTTCTCGTTAGCAGCTGGAAGACATTCTCTCCACACTTTTCCCTTCTGGCCCAA
GAGAGCATCCAGAAGGCAGTAGGACCTGGTTTTTTCAGGTACTGGGAGCCGGGGGCTCACTGCTTGCAGTGTGCTT
AGGGTAGGGATGGTAAATATCCTCCCTGCATGGCTTTATCCTCCCTCTCATCCCAAAGCAGGTATCTTCTGGTTG
TCACAGAGTTTCATTGAGTCCAGCTGCAGCCACGTGGCCATCTGGAGCTGGTGTATAGGTGACCATCTGGTACA
TTGAGGGGACCTGTTTGCTCCTCCACTCTATAAGCAGTCATCTTGGGAGACCGGGAGGAGAAGGTGGTGGGCTA
GTCCTGTGTCTCCTCCACTTCCCATGCCCTCTATGTTACCCATCTGTGTCTCCTGTGCAGAAGGAGAGGAAGGGG
CATTAAAGAGATGAAGGGTGATTATGTATTACTTATCCATTTCTGAATAAACATTTGTTATTCTCT

6599/6881
FIGURE 6092

MADISLDELIRKRGAAAKGRLNARPGVGGVRSRVGIQQGLLSQSTRTATFQQRFDARQKIGLSDARLKLGVKDAR
EKLLQKDAREFRIKGVQDAREMLNSRKQQTTPQKPRQVADAREKISLKRSSPAAFINPPIGTVTPALKLTKTIQ
VPQQKAMAPLHHPAGMRINVVNNHQAKONLYDLDEDDDDGIASVPTKQMKFAASGGFLHHMAGLSSSKLSMSKAL
PLTKVVQNDAYTAPALPSSIRTKALTNMSRTLNVNKEEPKELPAAEPVLSPLEGTKMTVNNLHPRVTEEDIVELEF
CVCGALKRARLVHPGVAEVVFVKKDDAITAYKKYNNRCLDGQPMKCNLHMNGNVITSDQPILLRLSDSPSMKKES
ELPRRVNSASSSNPPAEVDPDTILKALFKSSGASVTTQPTFEFKIKL

6600/6881
FIGURE 6093

CCATATGGTGCTCTTCCCAGTCTGGTTCCTGTACAGTCTGCTCATGAAGCTGTTCCAGCGCTCCACGCCAGCCAT
CACCCCTCGAGAGCCCCGGGTTTCAGCCTGGCCTGCCCGTGCCCTGGTGAATCACCTGGCTGAGCAGTTCCCCTGGAG
CCCCTTCGGGAGCAGGGCTGTGTCCCAGATGGGCCACGGCTGAGCCTTCAGAGTACGTCCTGCCTGGCACTTACT
GGTCCTTACCAGAGACGCCCAGCCCCATCCCTGTCCTCATGACCCCTCGTCCACCCCCACACACACTATAAGGC
TGAGGGCTGCCAGCAGCCCCGTCTGCCACCATTCCCGGCCGTGGACCATAGTCGGGATGTCAGCAGACACACAT
GGGCAGCCCCAAAGCTGCAGGTGCCAGGGCCACCCAGCCTCGCCTGTCACCCCCACTCCCGCCTCAGGGCCAGG
CCCAGGCCTCACCACCTGACGCTGCATGAGACATTGACACCAGAAAGCCCTCTTGGGGGCACTGCTCCCTACCCC
AGGGCCCTGGCCAGCCGGGAGCTTGGCTCTCCTCTGGCTAGAGTGGGAAGAGGGGGCTGGCCATGGGGTCCTGGG
CTGGGGCCACCATCCCTGATGGCAGAACTCCCACAACCACATGTATTTATTCTCTGTCCTAAACCGTCCCCCTCC
TTCCCTCACCCCCAGCACAGGGGGATTCTGAGCAGTGCCTCTTGTCTGAGGGACATATCAGTGACCTCGACGTTG
CCTTTAGACTACAGTTGTGTTAGCCTCTTGCGTATTGGCTTTTTTCAGAGTCATTTATGAGCAGAAAAAAAAAAG
TAAAACTTTGCTAATATT

6601/6881
FIGURE 6094

CGCGACGGTCTCGGCGGCGGGCGGCGGCGGCGACAGAGCGAGCGCGGCGCGGGGCCACCATGGGGGGCCAGCTCAG
CACGTTGGGGCCATATGGTGCTCTTCCCAGTCTGGTTCCCTGTACAGTCTGCTCATGAAGCTGTTCCAGCGCTCCAC
GCCAGCCATCACCCCTCGAGAGCCCCGGACATCAAGTACCCGCTGCGGGCTCATCGACCGGGAGATCATCAGCCATGA
CACCCGGCGCTTCCGCTTTGCCCTGCCGTCACCCAGCACATCCTGGGCCTCCCTGTCGGCCAGCACATCTACCT
CTCGGCTCGAATTGATGAAAACCTGGTTCGTCGGGCCCTATACACCCATCTCCAGCGATGATGACAAGGGCTTCGT
GGACCTGGTCATCAAGGTTTACTTCAAGGACACCCATCCCAAGTTTCCCGCTGGAGGGAAGATGTCTCAGTACCT
GGAGAGCATGCAGATTGGAGACACCATTGAGTTCCGGGGCCCCAGTGGGCTGCTGGTCTACCAGGGCAAAGGGAA
GTTCCGCATCCGACCTGACAAAAAGTCCAACCCTATCATCAGGACAGTGAAGTCTGTGGGCATGATCGCGGGAGG
GACAGGCATCACCCCGATGCTGCAGGTGATCCGCGCCATCATGAAGGACCCTGATGACCACACTGTGTGCCACCT
GCTCTTTGCCAACCAGACCGAGAAGGACATCCTGCTGCGACCTGAGCTGGAGGAACTCAGGAACAAACATTCTGC
ACGCTTCAAGCTCTGGTACACGCTGGACAGAGCCCCTGAAGCCTGGGACTACGGCCAGGGCTTCGTGAATGAGGA
GATGATCCGGGACCACCTTCCACCCCCAGAGGAGGAGCCGCTGGTGTGCTGATGTGTGGCCCCCACCATGATCCA
GTACGCCTGCCTTCCCAACCTGGACCACGTGGGCCACCCACGGAGCGCTGCTTCGTCTTCTGAGGGCCGGGCAC
GGTCACACGGCCACCCGCCCCGCGCACCCACGCCCTGTTACGCTCACCCAGTCACCTCCCCACATCGCACACT
GGGGCCCCGGGTTAGCCTGGCCTGCCCGTGCCCTGGTGAATCACCTGGCTGAGCAGTTCCCCCTGGAGCCCCCTC
GGGAGCAGGGCTGTGTCCCAGATGGGCCACGGCTGAGCCTTACAGGTACGTCCTGCCTGGCACTTACTGGTCCTT
ACCAGAGACGCCCAGCCCCATCCCTGTCCCTCATGACCCCTCGTCCACCCCCACACACACTATAAGGCTGAGGGC
TGCCAGCAGCCCCGTCTGCCACCATTCCCGGCCGTGGACCATAGTCGGGATGTCAGCAGACACACATGGGCAGC
CCAAAGCTGCAGGTGCCAGGGCCCCACCCAGCCTCGCCTGTCACCCCCACTCCCGCCTCAGGGCCAGGCCAGGC
CTCACCACTGACGCTGCATGAGACATTGACACCAGAAAGCCCTCTTGGGGGCACTGCTCCCTACCCAGGGCCC
TGGCCAGCCGGGAGCTTGGCTCTCCTCTGGCTAGAGTGGGAAGAGGGGGCTGGCCATGGGGCCCTCCAGAACCT
CAGCATTTCTTCCAGCCCATCCAAACACTGAGGCAGCCTTGGGGAACCCGAGCTGGGGGGTTGGCAGCCCACT
GCACCGCCTCAGGGTTTTGGGGTCCCTGGGCTGGGGCCACCATCCCTGATGGCAGAACTCCCACAACCACATGTAT
TTATTCCTCTGTCCTAAACCGTCCCCCTCCTTCCCTCACCCCCAGCACAGGGGGATTCTGAGCAGTGCCTCTTGTC
TGAGGGACATATCAGTGACCTCGACGTTGCCCTTAGACTACAGTTGTGTTAGCCTCTTGCGTATTGGCTTTTTCA
GAGTCATTTATGAGCAGAAAAAAAAGTAAACTTTGCTAATATT

6602/6881
FIGURE 6095

AGCGGCCTGGCTAACTCCTGCCAGGCAGTGCCCTTCCCGGAGCGTGCCCTCGCCGCTGGTACGGCTCCTACCTGG
TCTGGAAAGAGCTGGGAGGCTTCACAGAGAAGGCTGTGGTTCCCCTGGGCCTCTACACTGGGCAGCTGGCCCTGA
ACTGGGCATGGGCCCCCATCTTCTTTGGTGCCCCGACAAATGGGCTGGGCCTTGGTGGATCTCCTGCTGGTCAGTG
GGGCGGCGGCAGCCACTACCGTGGCCTGGTACCAGGTGAGCCCGCTGGCCGCCCGCCTGCTCTACCCCTACCTGG
CCTGGCTGGCCTTCGCGACCACACTCAACTACTGCGTATGGCGGGACAACCATGGCTGGCATGGGGGACGGCGGC
TGCCAGAGTGAGTGCCCGGCCCCACCAGGACTGCAGCTGCACCAGCAGGTGCCATCACGCTTGTGATGTGGTGGC
CGTCACGCTTTCATGACCACTGGGCCTGCTAGTCTGTCAGGGCCTTGGCCCAGGGGTCAGCAGAGCTTCAGAGGT
TGCCCCACCTGAGCCCCACCCGGGAGCAGTGTCCTGTGCTTTCTGCATGCTTAGAGCATGTTCTTGGAACATGG
AATTTTATAAGCTGAATAAAGTTTTTGACTTCCTTT

6603/6881
FIGURE 6096

MAPHLLWCPTNGLGLGGSPAGQWGGGSHYRGLVPGEPA GRPPALPLPGLAGLRDHTQLLRMAGQPWLAWGTAAAR
VSARPTRDCSCTSRCHHACDVVAVTLS

6604/6881
FIGURE 6097

ATGGAGGCCGAGCGGGGTCCCGAGCGCCGGCCTGCGGAGCGTAGCAGCCCCGGGCCAGACGCCGGAGGAGGGCGCG
CAGGCCTTGGCCGAGTTCGCGGCGCTGCACGGCCCGGCGCTGCGCGCTTCGGGGGTCCCCGAACGTTACTGGGGC
CGCCTCCTGCACAAGCTGGAGCACGAGGTTTTTCGACGCTGGGGAAGTGTTGGGATCATGCAAGTGGAGGAGGTA
GAAGAGGAGGAGGACGAGGCAGCCCGGGAGGTGCGGAAGCAGCAGCCCAACCCGGGGAACGAGCTGTGCTACAAG
GTCATCGTGACCAGGGAGAGCGGGCTCCAGGCAGCCACCCCAACAGCATCTTCCTCATCGACCACGCCTGGACG
TGCCGTGTGGAGCACGCGCGCCAGCAGCTGCAGCAGGTGCCGGGCTGCTGCACCGCATGGCCAACCTGATGGGC
ATTGAGTTCCACGGTGAGCTGCCAGTACAGAGGCTGTGGCCCTGGTGCTGGAGGAGATGTGGAAGTTCAACCAG
ACCTACCAGCTGGCCCATGGGACAGCTGAGGAGAAGATGCCGGTGTGGTATATCATGGACGAGTTCGGTTCGCGG
ATCCAGCACGCGGACGTGCCAGCTTCGCCACGGCACCCCTTCTTCTACATGCCGAGCAGGTGGCCTACACGCTG
CTGTGGCCCCCTGAGGGACCTGGACACTGGCGAGGAGGTGACCCGAGACTTTGCCTACGGAGAGACGGACCCCTG
ATCCGGAAGTGATGCTGCTGCCCTGGGCCCCACCGACATGCTGGACCTCAGCTCTTGACACCCGAGCCGCC
GCCGAGCACTACCAGGCCATTCTGGAGGAAAACAAGGAGAAGCTGCCACTTGACATCAACCCCGTGGTGACCC
CACGGCCACATCTTCAAGGTCTACACGGACGTGCAGCAGGTGGCCAGCAGCCTCACCCACCCGCGCTTACCCCTC
ACCCAGAGTGAGGCGGACGCCGACATCCTCTTCAACTTCTCACACTTCAAGGACTACAGGAAACTCAGCCAGGAG
AGGCCAGGCGTGCTGCTGAACAGTTCCCCCTGCGAGAACCTGCTGACTGTCAAGGACTGCCTGGCCTCCATCGCG
CGCCGGGCAGGTGGCCCCGAGGGCCACCCCTGGCTGCCCGAACCTTCAACCTGCGCACTGAGCTGCCCCAGTTT
GTCAGCTACTTCCAGCAGCGGGAAAAGGTGGGGCGAGGACAACCCTGGATCTGCAAGCCCTGGAACCTGGCGCGC
AGCCTGGACACCCACGTACCAAGAGCCTGCACAGCATCATCCGGCACCGAGAGAGCACCCCCAAGGTTGTGTCC
AAGTACATCGAAAGTCCCGTGTGTTCCTTCGAGAAGACGTGGGAAAGGTCAAGTTCGACATCCGCTACATCGTG
CTGCTGCGGTGAGTGAGGCCCTACGGTTGTTGCTGTATGATGTGTTCTGGCTGCGGTTCTCCAACCGGGCCTT
GCACTCAACGACCTGGATGACTACGAGAAGCACCTTACGGTCATGAACCTATGACCCGGATGTGGTGCTGAAGCAG
GTGCACTGTGAAGAGTTCATCCCCGAGTTTGAGAAGCAATACCCAGAATTTCCCTGGACGGACGTCCAGGCTGAG
ATCTTCCGGGCCTTACGGAGCTGTTCAGGTGGCCTGTGCCAAGCCACCACCCCTGGGCCTCTGCGACTACCC
TCATCCCGGGCCATGTATGCCGTGACCTCATGCTGAAGTGGGACAACGGCCAGATGGAAGGCGGGTGATGCAG
CCGAGATCCTGGAGGTGAACCTCAACCCGACTGTGAGCGAGCCTGCAGGTACCACCCACCTTCTTCAACGAC
GTCTTCAGCACCTTGTCTTCTGGACCAGCCCGGTGGCTGCCACGTTACCTGCCTTGTCTAGGCACTCGCTGTCCCC
AAAACCTGTGCTTGGGGCAGGATTCCAACCTCAGTTCTCTGAGCTGCTTCTGCAAAGGCCCCCATGTCCCTCCCC
ACACCGGCCCTGGGCATAGCCTCAGCCCCAGGCCTCTGTCTGCGGAGCCATCCTCCCGGCGCCACACTCCGGGA
GCACAGCATCCTCCTCTCACCTGTGGGTGAGAGCAGGACAGTGATGGTGTCCCCAGGGCTGAGCACCACCCACG
CCCTGCCCTCACCCCTCACCACCATCTGTGCACTGATGAGTCTCCAGTTTAGCCAAGGGCTTTGTTCTCGGCATG
GAGAATTTGTTCTGGCTGCTGTGTTTCCAGGGGGTGCTGGGGGAAGGGTTCCGTGGAGCGAGACAAGGTGTCT
CGGGAGCAGGGTTCCACCGGAAGCGTTTGGGAGCCCTGTATCACACGGGGCAGGCGGGTTTCTCTTCCGGGGTC
TCTGCTCTTATGCATCAGGACGACCCCGGACGGCTGTGGGGCCCCACACTGCACCCACAGGGCTCTATGCGACA
GGGGCCCAGGAACAGCCTGAGGCCACCAACCCAGCAAGCCCGCCTTATACCCATTCCAGCTCACCCAGAACCTTC
ACCAGCAAACCTCCTGCTGAGGTCTTGGCAGGAGGCCACCGTCTTGTTACCGTTTCTTTTTCTGTTTGTGAGGGT
CACAGACCCCAACAGGGAAATCAGTATCTGTCTTCCAGTGGTTGCCCTGCTCGCCGGGCACTCCACGGGGTCCC
GCCCTTGTGTGAGATGGGCCAGGATCCTTCGGCAAGGGGCGCCTGGGGCTGGGGCTGATTGTGGGCGGTGGAGCG
CCAGACAGAAAAGGATTCCAATGAGAACTTACAGGTTAAAGTCAGATGCCACCTACCAGGGTCTACAGTCAAAATG
TTGGCTTTTTCTTATTTTTTAATGTATGGGAGAAAAATGTAAAATTCCAGTCTTTTTCTAATTGTGTTTCTGAAA
TTAGGAGTCAGCTGCCAGCGTTTTTGTGTGGCTGCAGTGTGCTGGGCCAGCTCACGGGCAGTGGGTGGACCTA
ACTGCCCAGGCAGGCGAGAGCTACTTCCAGAGCCTTCCAGTGATGGGAGGGCAGGGCTAGGTGTAGCGGTGTCT
CCTCTTTGAAATTAAGAACTATCTTTCTTGTAGCAAAGCTGCACCTGATGATGCTGCCTCTCCTCTCTGTGTTGT
CTGGGCCCTTGTTTACAAGCACGCGTTACCCCTTCTGAGGGGAGCCATGCTCTAGCCCTTGAGGGCCTGTTGCA
GGGGCAGGGCGGGCCCGTGCCTTTGGCAGCTCCTGGAGAGCTGTGGACATGCAGTCCCCCTCAGTTTCGTGCTGC
AATAAAGGCCATCTTCTCTTA

6605/6881
FIGURE 6098

MEAERGPERRPAERSSPGQTPEEGAQALAEFAALHGPALRASGVPERYWGRLLHKLEHEVFDAGEVFGIMQVEEV
EEEEDEAAAREVRKQQPNPGNELCYKVIIVTRESGLQAAHPNSIFLIDHAWTCRVEHARQQQLQQVPGLLHRMANLMG
IEFHGELPSTEAVLVLEEMWKFNQTYQLAHGTAEKMPVWYIMDEFGSRIQHADVPSFATAPFFYMPQQVAYTL
LWPLRDLDTGEEVTRDFAYGETDPLIRKCM LLPWAPTDM LLDLSSCTPEPPAEHYQAILEENKEKLPLDINPVVHP
HGHIFKVYTDVQQVASSLTHPRFTLTQSEADADILFNFSHF KDYRKLSQERPGVLLNQFPCENLLTVKDCIASIA
RRAGGPEGPPWLPRTFNLRTelpQFVSYFQQRRERWGEDNHWICKPWNLARS LDTHVTKSLHSIIRHRESTPKVVS
KYIESPVLFLREDVGKVKFDIRYIVLLRSVRPLRLFVYDVFWLRF SNRAFALNDLDDYEKHFTVMNYDPDVLKQ
VHCEEFIPEFEKQYPEFPWTDVQAEIFRAFTELFQVACAKPPPLGLCDYPSSRAMYAVDLMLKWDNGPDGRRVMQ
PQILEVNFNPD CERACRYHPTFFNDVFSTLFLDQPGGCHVTCLV

6606/6881
FIGURE 6099

GCGGGGAATCATGGCCGCCCCAGTGTTCCGCGTCCGGGGGTTTGTGGGAGTTGCCTTGACCTGCAGCTCCGCCA
CCGCGGACCCGCCTTCTGCCCTCAGCAGCAGACGCTCTGTCCCGCCCGGCAGCTCTGCGAGGCAGCGGCTGGAG
AGGGAACCATGGGGACTGTGCACGCCCGGAGTTTGGAGCCTCTTCCATCAAGTGGACCTGATTTTGGAGGATTAG
GAGAAGAAGCTGAATTTGTTGAAGTTGAGCCTGAAGCTAAACAGGAAATTCTTGAAAACAAAGATGTGGTTGTTT
AACATGTTTCATTTTGATGGACTTGGAAGGACTAAAGATGATATCATCATTTGTGAAATTGGAGATGTTTTCAAGG
CCAAAAACCTAATTGAGGTAATGCGGAAATCTCATGAAGCCCGTGAAAAATTGCTCCGTCTTGGAATTTTTAGAC
AAGTGGATGTTTTGATTGACACATGTCAAGGTGATGACGCACTTCCAAATGGGTTAGACGTTACCTTTGAAGTAA
CTGAATTGAGGAGATTAACGGGCAGTTATAACACCATGGTTGGAAACAATGAAGGCAGTATGGTACTTGGCCTCA
AGCTTCCTAATCTTCTTGGTCGTGCAGAAAAGGTGACCTTTTCACTTTTCTATGGAACAAAAGAACTTCGTATG
GCCTGTCTTCTTCAAACACGGCCCGGAACTTCGAAAGAAATTTCTCTGTAAACTTATATAAAGTTACTGGAC
AGTTCCCTTGGAGCTCACTGCGGGAGACGGACAGAGGAATGTCAGCTGAGTACAGTTTTCCCATATGGAAGACCA
GCCACACTGTCAAGTGGGAAGGCGTATGGCGAGAACTGGGCTGCCTCTCAAGGACGGCGTCATTTGCTGTTGAA
AAGAAAGCGGACATTCAGTGAATCATCTCTTTCGCACGCCATGGTCATCGATTCTCGGAATTTCTCCATCTTAC
CAAGGAGAGGTGCTTTGCTGAAAGTTAACCAGGAAGTGGCAGGCTACACTGGCGGGGATGTGAGCTTCATCAAAG
AAGATTTTGAACCTTCAGTTGAACAAGCAACTCATATTTGATTGAGTTTTTTTTCAGCGTCTTTCTGGGGCGGAATGT
TGGTACCCATTGGTGATAAGCCGTCAAGCATTGCTGATAGGTTTTTACCTTGGGGGACCCACAAGCATCCGCGGAT
TCAGCATGCACAGCATCGGGCCACAGAGCGAAGGAGACTACCTAGGTGGAGAAGCGTACTGGGCCGGCGGCTGC
ACCTCTACACCCCATACCTTTCCGGCCAGGCCAGGGTGGCTTTGGAGAACTTTTCCGAACACACTTCTTTCTCA
ACGCAGGAAACCTCTGCAACCTCAACTATGGGGAGGGCCCCAAAGCTCATATTCGTAAGCTGGCTGAGTGCATCC
GCTGGTCGTACGGGGCCGGGATTGTCCTCAGGCTTGGCAACATCGCTCGGTTGGAACCTTAATTACTGCGTCCCCA
TGGGAGTACAGACAGGCGACAGGATATGTGATGGCGTCCAGTTTGGAGCTGGGATAAGGTTTCTGTAGCCGACAC
CCCTACAGGAGAAGCTCTGGGACTGGGGCAGCAGCAAGGCGCCCATGCCACACACCGTCTCTCGAGGAAACGCGG
TTCAGCGATTCTTTGACTGCGGACCCTGTGGGAAACCCCGTCAATAAATGTTAAAGACACACTC

6607/6881
FIGURE 6100

MGTVHARSLEPLPSSGPDFGGLGEEAEFVEVEPEAKQEILENKDVVVQHVFHDGLGR TKDDIIICEIGDVFKAKN
LIEVMRKSHEAREKLLRLGIFRQVDVLIDTCQGDDALPNGLDVTFEVTELRRLTGSYNTMVGNNEGSMVLGLKLP
NLLGRAEKVTFQFSYGTKETSYGLSFFKPRPGNFERNFSVNLYKVTGQFPWSSLRETD RGMSAEYSFPIWKT SHT
VKWEGVWRELGCLSRITASFAVRKESGHSLSKSSLSHAMVIDSRNSSILPRRGALLKVNQELAGYTGGDV SF IKEDF
ELQLNKQLIFDSVFSASFWGGMLVPIGDKPSSIADRFYLGGP TSIRGF SMHSIGPQSEGDYLGGEAYWAGGLHLY
TPLPFRPGQGGFGELFRTHFFLNAGNLCNLNYGEGPKAHIRKLAECIRWSYGAGIVLRLGNIARLELNYCVPMGV
QTGDRICDGVQFGAGIRFL

6608/6881
FIGURE 6101

ATGGAGCCGGAGTTCTTGTACGACCTGCTGCAGCTCCCCAAGGGGGTGGAGCCCCCAGCGGAGGAGGAGCTCTCA
AAAGGAGGAAAGAAGAAATACCTGCCACCCACTTCCCGGAAGGACCCCAAATTTGAAGAACTGCAGAAGGTGTTG
ATGGAGTGGATCAATGCCACTCTTCTCCCCGAGCACATTGTGGTCCGCAGCCTGGAGGAGGACATGTTTCGACGGG
CTCATCCTACACCACCTATTCCAGAGGCTGGCGGCGCTCAAGCTGGAAGCAGAGGACATCGCCCTGACAGCCACA
AGCCAGAAGCACAAGCTCACAGTGGTGCTGGAGGCCGTGAACCGGAGTCTGCAGCTGGAGGAGTGGCAGGCCAAG
TGGAGCGTGGAGAGCATCTTCAACAAGGACCTGTTGTCTACCCTGCACCTCCTTGTGGCCCTGGCCAAGCGCTTC
CAGCCCCGACCTCTCCCTCCCAACCAACGTCCAGGTGGAGGTCATCACTATCGAGAGCACCAAAAGTGGTCTGAAG
TCAGAGAAGTTGGTGGAAACAGCTCACTGAATACAGCACAGACAAGGACGAGCCTCCAAAGGACGTCTTTGATGAA
TTATTTAAGCTGGCTCCGGAGAAAGTGAACGCAGTGAAGAGGCCATCGTGAACTTTGTCAACCAGAAGCTGGAC
CGCCTGGGCCTGTCTGTGCAGAATCTGGACACCCAGTTTGCAGATGGGGTCATCTTACTCTTGCTGATTGGACAA
CTTGAAGGCTTCTTCTGCACTTAAAGGAATTCTACCTCACTCCCAACTCTCCTGCAGAAATGCTGCACAACGTC
ACCCTGGCGCTGGAGCTGCTGAAGGACGAGGGCCTGCTCAGCTGCCCTGTCAGCCCTGAAGATATCGTGAACAAG
GATGCCAAGAGCACACTGCGGGTGCTCTATGGTCTGTTCTGCAAGCACACGCAGAAGGCACACAGGGACAGGACG
CCCCATGGAGCCCCGAATTGA

6609/6881
FIGURE 6102

MEPEFLYDLLQLPKGVEPPAEEELSKGGKKKYLPPTSRKDPKFEELQKVLMEWINATLLPEHIVVRSLEEDMFDG
LILHHLFQRLAALKLEAEDIALTATSQKHKLTVVLEAVNRSIQLEEWQAKWSVESIFNKDLLSTLHLLVALAKRF
QPDLSLPTNVQVEVITIESTKSGLKSEKLVEQLTEYSTDKDEPPKDVFEDELFLAPEKVNAVEAIVNFVNQKLD
RLGLSVQNLDTQFADGVILLLLIGQLEGFFLHLKEFYLTNPSPAEMLHNVTLALELLKDEGLLSCPVSPEIDIVNK
DAKSTLRVLYGLFCKHTQKAHRDRTPHGAPN

6610/6881
FIGURE 6103

CTGAGCCTCTCCGTGCAATGATTAACCCGGCGGGGCGGCCGCGGGACCCGAGACGGAGGCGCGGGGCCGGGG
CGGGACCCCGCAGGACCGCTCGGCTTCCTGCTCTCGCCGGAGTTTCCGCGTAGAGGGCGCATCGCCGGCCCCGGGG
CCCTTGGTGCGGCGTGGCGCAGGGCGCGGCGTGGGGCGCGCGTGGGCGCGGCGCAGGCGGCCCGGGTCACCATGA
GGACTCTCCGCAGGTTGAAGTTCATGAGTTGCCCCAGCCTCAGTGACCTGGGCAAGAGAGAGCCGGCCGCCGCCG
CGGACGAGCGGGGCACGCAGCAGCGCCGGGCTGCGCCAACGCCACCTGGAACAGCATCCACAACGGGGTGATCG
CCGTCTTCCAGCGCAAGGGGCTGCCCGACCAGGAGCTCTTCAGCCTCAACGAGGGCGTCCGGCAGCTGTTGAAGA
CAGAGCTGGGGTCCTTCTTCACGGAGTACCTGCAGAACCAGCTGCTGACAAAAGGCATGGTGATCCTTCGGGACA
AGATTCGCTTCTATGAGGAGCTGCAGAGAGACAAGGCGGCGCGGCTGCTGTGCTGGGTGCAGTGAGGAAGAGGC
CCTCGGTGGTGCCCATGGCTGGCCAGGATCCTGCGCTGAGCACGAGTCACCCGTTCTACGACGTGGCCAGACATG
GCATTCTGCAGGTGGCAGGGGATGACCGCTTTGGAAGACGTGTTGTACGTTTCAGCTGCTGCCGGATGCCACCTT
CCCACGAGCTGGACCACCAGCGGCTGCTGGAGTATTTGAAGTACACACTGGACCAATACGTTGAGAACGATTATA
CCATCGTCTATTTCCACTACGGGCTGAACAGCCGGAACAAGCCTTCCCTGGGCTGGCTCCAGAGCGCATACAAGG
AGTTGCATAGGAAAGACGGGGATCTCACTATGTGGCCCAGGCTGGTCTCGAACTCCAAGCTCAAGCGATCCTCCC
ACCTCAGCCTCCCAAAGTACTGGGATTACAGGTACAAGAAGAACTTGAAGGCCCTCTACGTGGTGCACCCACCA
GCTTCATCAAGGTCTGTGGAACATCTTGAAGCCCCCTCATCAGTCACAAGTTTGGGAAGAAAGTCATCTATTTCA
ACTACCTGAGTGAGCTCCACGAACACCTTAAATACGACCAGCTGGTCATCCCTCCCGAAGTTTTGCGGTACGATG
AGAAGCTCCAGAGCCTGCACGAGGGCCGGACGCCGCTCCACCAAGACACCACCGCCGCGGGCCCCGCTGCCCA
CACAGCAGTTTGGCGTCAGTCTGCAATACCTCAAAGACAAAAATCAAGGCGAACTCATCCCCCTGTGCTGAGGT
TCACAGTGACGTACCTGAGAGAGAAAAGGCCTGCGCACCGAGGGCCTGTTCCGGAGATCCGCCAGCGTGCAGACCG
TCCGCGAGATCCAGAGGCTCTACAACCAAGGGAAGCCCGTGAACTTTGACGACTACGGGGACATTACATCCCTG
CCGTGATCCTGAAGACCTTCCTGCGAGAGCTGCCCCAGCCGCTTCTGACCTTCCAGGCCTACGAGCAGATTCTCG
GGATCACCTGTGTGGAGAGCAGCCTGCGTGTCACTGGCTGCCGCCAGATCTTACGGAGCCTCCAGAGCACAACT
ACGTGCTCCTCCGCTACCTCATGGGCTTCCTGCATGCGGTGTCCCGGAGAGCATCTTCAACAAAATGAACAGCT
CTAACCTGGCCTGTGTCTTCGGGCTGAATTTGATCTGGCCATCCAGGGGGTCTCCTCCCTGAGTGCCCTTGTGC
CCCTGAACATGTTCACTGAACTGCTGATCGAGTACTATGAAAAGATCTTCAGCACCCCGGAGGCACCTGGGGAGC
ACGGCCTGGCACCATGGGAACAGGGGAGCAGGGCAGCCCTTTGCAGGAGGCTGTGCCACGGACACAAGCCACGG
GCCTCACCAAGCCTACCTACCTCCGAGTCCCCTGATGGCAGCCAGAAGACGTCTCTAGTGTTGCGAACACTCTG
TATATTTGAGCTACCTCCACACCTGTCTGTGCACTTGTATGTTTTGTAAACTTGGCATCTGTAAAAATAACCA
GCCATTAGATGAATTCAGAACCTTCTAATGAAAACCTCATGCCTCTGGTCCTTGGACTCTTGTCCATGGTTCCTG
AGCTGTGGACCGGGATAGAAT

6611/6881
FIGURE 6104

GGCCCAGGCTGAAGCTCAGGGCCCTGTCTGCTCTGTGGACTCAACAGTTTGTGGCAAGACAAGCTCAGAACTGAG
AAGCTGTCACCACAGTTCTGGAGGCTGGGAAGTTCAAGATCAAAGTGCCAGCAGATTAGTGTGATGTGAGGACG
TGCTTCCTGCTTCATAGATAAGAGCTTGGAGCTCGGCGCACAAACCAGCACCATCTGGTCGCGATGGTGGACACGG
AAAGCCCCTCTGCCCCCTCTCCCCACTCGAGGCCGGCGATCTAGAGAGCCCGTTATCTGAAGAGTTCTCTGCAAG
AAATGGGAAACATCCAAGAGATTTGCAATCCATCGGCGAGGATAGTTCTGGAAGCTTTGGCTTTACGGAATACC
AGTATTTAGGAAGCTGTCTGGCTCAGATGGCTCGGTCATCACGGACACGCTTTCACCAGCTTCGAGCCCCCTCT
CGGTGACTTATCTGTGGTCCCCGGCAGCGTGGACGAGTCTCCAGTGGAGCATTGAACATCGAATGTAGAATCT
GCGGGGACAAGGCCTCAGGCTATCATTACGGAGTCCACGCGTGTGAAGGCTGCAAGGGCTTCTTTGGCGAACGA
TTCGACTCAAGCTGGTGTATGACAAGTGCGACCGCAGCTGCAAGATCCAGAAAAAGAACAGAAACAAATGCCAGT
ATTGTCGATTTACAAGTGCCTTTCTGTGCGGATGTACACAACGCGATTCTGTTTTGGACGAATGCCAAGATCTG
AGAAAGCAAACTGAAAGCAGAAATTCTTACCTGTGAACATGACATAGAAGATTCTGAACTGCAGATCTCAAAT
CTCTGGCCAAGAGAATCTACGAGGCCTACTTGAAGAACTTCAACATGAACAAGGTCAAAGCCCGGGTCATCCTCT
CAGGAAAGGCCAGTAACAATCCACCTTTTGTCTATACATGATATGGAGACACTGTGTATGGCTGAGAAGACGCTGG
TGGCCAAGCTGGTGGCCAATGGCATCCAGAACAAGGAGGCGGAGGTCCGCATCTTTCACTGCTGCCAGTGACAGT
CAGTGGAGACCGTACGGAGCTCACGGAATTCGCCAAGGCCATCCCAGGCTTCGCAAACTTGGACCTGAACGATC
AAGTGACATTGCTAAAATACGGAGTTTATGAGGCCATATTCGCCATGCTGTCTTCTGTGATGAACAAAGACGGGA
TGCTGGTAGCGTATGGAAATGGGTTTATAACTCGTGAATTCCTAAAAAGCCTAAGGAAACCGTTCTGTGATATCA
TGGAACCCAAGTTTGATTTTGCCATGAAGTTCAATGCACTGGAAGTGGATGACAGTGATATCTCCCTTTTTGTGG
CTGCTATCATTTGCTGTGGAGATCGTCCTGGCCTTCTAAACGTAGGACACATTGAAAAATGCAGGAGGGTATTG
TACATGTGCTCAGACTCCACCTGCAGAGCAACCACCCGGACGATATCTTTCTCTTCCCAAACTTCTTCAAAAAA
TGGCAGACCTCCGGCAGCTGGTGACGGAGCATGCGCAGCTGGTGCAGATCATCAAGAAGACGGAGTCGGATGCTG
CGCTGCACCCGCTACTGCAGGAGATCTACAGGGACATGTACTGAGTTTCCTTCAGATCAGCCACACCTTTTCCAGG
AGTTCTGAAGCTGACAGCACTACAAAGGAGACGGGGGAGCAGCAGATTTTGCACAAATATCCACCACTTTAACC
TTAGAGCTTGGACAGTCTGAGCTGTAGGTAACCGGCATATTATTCCATATCTTTGTTTTAACCAGTACTTCTAAG
AGCATAGAACTCAAATGCTGGGGGAGGTGGCTAATCTCAGGACTGGGAAG

6612/6881
FIGURE 6105

MVDTESPLCPLSPLEAGDLESPLSEEFLOEMGNIQEISQSIGEDSSGSFGFTEYQYLGSCPGSDGSVITDTLSPA
SSPSSVTYPVVPGSVDESPSGALNIECRICGDKASGYHYGVHACEGCKGFFRRTIRLKLVDKCDRSCKIQKKNR
NKCQYCRFHKCLSVGMSHNAIRFGRMPRSEKAKLKAIEILTCEHDIEDSETADLKSLAKRIYEAYLKNFNMNKVKA
RVILSGKASNPPFVIHDMETLCMAEKTILVAKLVANGIQNKEAEVRIFHCCQCTSVETVTELTEFAKAIPGFANL
DLNDQVTLLKYGVYEAFAMLSVMNKDGMLVAYGNFITREFLKSRLKPFCDIMEPKFDFAMKFNALELDDSDI
SLFVAAIICCGDRPGLLNVGHIKMQEGIVHVLRLHLQSNHPDDIFLFPKLLQKMADLRQLVTEHAQLVQIIKKT
ESDAALHPLLQEIIYRDMY

6613/6881
FIGURE 6106A

CAACTTCCGGAAGGAGGCGGAAGAGCTTCTCGGCTCTAGGCTCTGGAGTCCCAGGAGCAGTGAGGGGCCACCCGG
GGCACAGGAAAGGGCCGCTAGGGGAGGGCCGGGTGCACTCGGGGTGTCTGGGCCGCGGGTCTGAGGGATGAGGAG
GGGCCATGGCCAGCGACGGGGCCAGGAAGCAATTCTGGAAGCGCAGCAACAGCAAGCTCCCAGGAGCAGTCCAGC
ACGTGTATGGTGCCAGCACCCCCCTTTGATCCACTGTTACATGGCACTTTGCTCAGGTCCACGGCCAAGATGC
CGACCACACCAAGTGAAGGCCAAGAGGGTCAGCACCTTCCAGGAGTTTGAGAGCAATACCAGCGATGCCTGGGACG
CTGGGGAGGACGACGATGAGCTCCTGGCCATGGCGGCGGAGAGCCTGAACTCCGAGGTGGTTCATGGAGACGGCCA
ACCGTGTGCTGCGTAACCACAGCCAGCGGCGAGGGGCGGCCACGCTGCAGGAGGGGCCAGGGCTTCAGCAGAAGC
CCAGGCCCCGAGGCAGAGCCGCCCTCACCCCCAGCGGCGACCTCCGGCTGGTGAAGTCGGTTCAGTGAGAGCCACA
CGTCTGTCTGTCAGAAAGTGCCAGCGATGCCGCCCCCTCTGCAGAGGTCCCAGTCTCTCCACACTCGGCCACCG
TCACGCTGGGTGGCACATCTGACCCAGCACTCTCAGCAGCTCAGCGCTGAGCGAAAGAGAGGCCTCCCGGCTCG
ACAAGTTCAGCAGCTGCTTGCCGGCCCCAACACGGACCTTGAGGAATTACGGAGGTTGAGCTGGTCCGGAATCC
CTAAGCCAGTGCGTCCAATGACGTGGAAGCTCCTCTCAGGTTACCTTCCCGCCAATGTAGACCGGAGACCAGCCA
CTCTCCAGAGAAAACAAAAGAATATTTTGCATTTATTGAGCACTATTACGATTCTAGGAACGACGAAGTTTACC
AGGACACATACAGGCAGATCCACATAGACATCCCTCGCATGAGCCCTGAAGCGTTGATCCTGCAGCCCCAAGGTGA
CGGAGATTTTTGAAAGGATCTTGTTTCATATGGGCGATCCGCCACCCAGCCAGTGATACGTTTCAGGGTATAAATG
ATCTCGTCACTCCTTTCTTTGTGGTCTTCATTTGTGAATACATAGAGGCAGAGGAGGTGGACACGGTGGACGTCT
CCGGCGTGCCCGCAGAGGTGCTGTGCAACATCGAGGCCGACACCTACTGGTGCATGAGCAAGCTGCTGGATGGCA
TTCAGGACAACCTACACCTTTGCCAACCTGGGATTCAAATGAAAGTGAAAATGTTAGAAGAACTCGTGAGCCGGA
TTGATGAGCAAGTGACCGGCACCTGGACCAACACGAAGTGAGATACCTGCAGTTTGCCTTCCGCTGGATGAACA
ACCTGCTGATGAGGGAGGTGCCCTGCGTTGTACCATCCGCTGTGGGACACCTACCAGTCTGAACCGGACGGCT
TTTCTCATTTCCACTTGTACGTGTGCGCTGCTTTTCTCGTGAGATGGAGGAAGGAAATACTAGAAGAAAAAGATT
TTCAAGAGCTGCTGCTCTTCTCCAGAACCTGCCCACAGCCCACTGGGATGATGAGGACATCAGCCTGTTGCTGG
CCGAGGCCTACCGCTCAAGTTTGCTTTTGCCGACGCCCCCAATCACTACAAGAAATGAGCCCAGGCCCCACCCGC
AGCTGGCCTCACTGTCCCGGTGGCGCGCCCCACCTGCCTGGCTGGTGGTAGGCCCTGTGAGCTGGTCCCGGGC
TGCTAAAAGGCCTTGTGAGGTGGCCCCACCCTCCAGGGGAGCTGGTGAAGATGGGCCACAGACCTGGTCTAGGGC
TGACAAAGACAGGGACAGCCTTTGTTTTCTGAGATACCAAAGAGAGCCAGGGGAGGGCCCCGGGTTCGGCGGCCA
GAGGCAGGTGAGGGGTCCCCTCTCCCTCTCCCTGCAATGTCTTGCCAAATGACTGCCTCGTGTGCCCCCTAGTC
CGGGGCAGCCTAGGAGGCCGACCCTCTTTGGAGTCTGCTGTCTGGGTGCCAGGGCCGGAACGAGGTAGTGGCCA
TCTCATACCTACTCTGAAATGCAAACTTCTATTCTGTTGAGTGAAAGAATAAAATGTAGACAAAATCTAGACCG
AGACGTTGCGCTGACCCGGGGTCTCTGTGCCGCGAGGTCCCCTCACAGCTGTATTTCACTGCTGCTGGCCCTTTC
CCTCCGTGTGTTTTCTGCTTGTGTTGTTTAAACGTGGCTGGGAAGCTGAAGGCTGGAGTCCAAGCCGTGAGCCC
GCCGAGTGCTGGGAGGCCGTGGGACCAAAGGCTGGGAGCAGAGGGAGGCCTCGCCATCGCCTTACTTTCCACCT
TGAACCTCTTTTACAAGAGAGAAACCCCCACCTCCCTGAGGTCCAGGGCCAAGTGGCCCCGCCACGCAGGTAGGC
GCCGGCCTCAGCCAGAGCCCCTGGAGGCCACCCAGGCTGTCCGGGCCATGTTGGGCTGGCAGACGGGCAGGGGT
CGCGTCCCTGTTCATCAAAGCCCTGAACCACAGTGCTCTTCTCACCGCAGCCTGGAAGCGGAATGAGCTTTTGGAG
ACTTCTGGGACTTGCTGTCTTGTCCAGGTCTGCCAGGTGTAGGGGAGGTGTGACTGGTTCCATCATGGACCGG
TTCTCCATGGACCGGTTTCTCCGTGGACCGGTTCCGCCATGGACCGGTTCCGCCATGGACCACTCCTGCCCTGG
ACCACTCCTGCCCTGGACCGGTTCTGCCGTGGACTGGTTCCCGCCGTGGACCAAGTTCCCGCTGTATACTGGTTCT
GCCCCTGGACTGGTTCCCGCTGTGGACTGGTTCCCTTGGGGCTCTAAGTGCGGAAGGGCCCAGAGCTGGTCCCTGCC
CAGCGCCCTGCTAGGGCTGTGTCTTGGCTCCAGGGGCCCTTGGGACTGGCTTCCAGCGTTCCCTCGGTGTGTCA
CAGGCTGCATGACCCCTGGAATGCGGGCAGGGCCACAGCCACAGTCTGTCTGATCCCTGAGCCCAGGACAGGCTC
ACGTCTCAGCGACCACTGGTGACTGACTTCCAGACTCTCCTCTGTCCCTCAGGAGCAGCCGTGTCTCTCCC
AGGCCCTAGGACACTGCCAGAGACTGTGGGACATACAGGCATAAGTGATGTGTGTGTTTCTGCTTCTGTTTTAA
AATCCAGGGTCATTACACACAGCATGGAATTAGCACAAAATGCTGTGCAAACGTGAGATGCTCCCAAACCAGCA
AAGGGATGGGCTTGCTTTCATATCAGATGCGGGCACGCCTTACCCCTGCCTTCCGTGTCCCCACCCAGGGTCAAG
GGTTCCTCAGACCAGCCATGCCTCCTCCTCCTGCCGCTCCTTTTCTAGATGGGGAGGGGATTCCGTCAACAAGAA
GAGCCGCCCTCGGCCGTGTGCAGGAAGCCCCATGTGCTTTGCCGAGATCAGCCCTGGGAGGATCCCCTTCTCC
AGCTCAGATCATGCCGTGTGGCCAGAAGGCTGCGGACACAACCTGACCTGCTTCTCGAGGTGGTTGATGTTTTAA

6614/6881
FIGURE 6106B

CAGGAAGCTCCACGGAGTTCAGCCCTGTGTGCATTTCTCATGTATGTAAACGCCAAGACTGAATGTGAGAGGTG
TTGGCCGCGGGCCCTTAAGTCTGAGCAGATCCATCTGGAATGTTCGGGGTGTGCTGTCTGGATGTGGTGCCTAAA
AACACGGAATAAAGATCAGTGAC

6615/6881
FIGURE 6107

MASDGARKQFWKRSNSKLPGSIQHVGGAQHPPFDPLLHGTLRSTAKMPTTPVKAKRVSTFQEFESNTSDAWDAG
EDDDELLAMAAESLNSEVVMETANRVLNRNHSQRQGRPTLQEGPGLQOKPRPEAEPPSPPSGDLRLVKSSESHTS
CPAESASDAAPLQRSQSLPHSATVTLGGTSDPSTLSSSALSEREASRLDKFKQLLAGPNTDLEELRRLSWSGIPK
PVRPMTWKLLSGYLPANVDRRPATLQRKQKEYFAFIEHYYSRNDVHQDTYRQIHIDIPRMSPEALILQPKVTE
IFERILFIWAIRHPASGYVQGINDLVTPFFVVFICEYIEAEVDTVDVSGVPAEVLNIEADTYWCMSKLLDGIQ
DNYTFAQPGIQMKVKMLEELVSRIDEQVHRHLDQHEVRYLQFAFRWMNNLLMREVPLRCTIRLWDTYQSEPDGFS
HFHLYVCAAFVLRWRKEILEEKDFQELLLFLQNLPTAHWDDDEISLLLAAYRLKFAFADAPNHYKK

6616/6881
FIGURE 6108A

GTCCGGCGGCGTCGCGGGCGGCGGGCGGCGGGGCCGCGGGAGGGGCGCGGGGGCAGACAAAGCCGCGGTAATGAA
TGGAGCGTCCGCCCGCGCCGCCGTCGTCCGCAGCCGGCCGGGAGCCGCCCCAGAGGCCGGGCCGAGGTAATGCAC
AAGGGTCACGTGTATGCTCTCAAGATGATCAGGCAGATCCTGTCTCAGGACCAGAAGCACGTCTCTGCTGCACA
CATTGTTGTCTACACCATGAGTGTITAGTAGCAGGACTCTTGAAAAGCAGTGATCTATGCTGTAAGACCATGAGT
CACAGATTCTTTTTTTCAGTACTATTTATGATTAGCCATATTTCTAGAAACATCCTGAAAGATGGAATTATGACG
AAAAAGTGAAGATAATCTACATTGCGGGGACAAAATGAGCACTTGATCAGTGTITATGAACCTAAGATACAGC
CGGAGTAGTTATGGTCAGTCATGGAGAATAACTTGAAAACCTGTCCCAAAGAGGACGGTGATTTTCGTTTCTGATA
AAATAAAGTTTAAATAGAGAGGAAGATGATGATGGAATTCCTCCTGATAGTTTGGAAGAATGGACTTTAAAA
GCGAGCAGGAGGACATGAAGCAGACAGACAGCGGTGGGGAGCGAGCGGGCCTCGGTGGGACGGGTTGCAGCTGCA
AGCCCCCGGGGAAGTACTTGTCTGCAGAGAGTGAGGATGACTATGGCGCGCTGTTCTCCAGTACAGCAGACCCC
TATACGACGTGGCCATGGAGGCCGTGACCCAGAGCCTCCTTTCCAGCCGGAACATGAGCTCCAGGAAGAAGTCTC
CAGCCTGGAAGCATTTTTTTATCTCTCCCCGAGACAGCACTAAAGCAATATGCATGTACTGTGTGAAGGAGTTCA
GCAGAGGCCAAAAACGAGAAAGACTTGAGTACCAGTTGTCTCATGAGGCACGTGAGGCGCGCACACCCGACCGTGC
TCATTCAGGAAAAATGGCAGTGTGTCTGCCGTGTCTCGTTCCCTCTCCCTCACTCCTGCTTCCACCACAGCCTG
CGGACGCGGGTGACCTCAGCACCATCCTCTCACCCATCAAACCTTGTCAGAAAAGTGGCGTCTAAGATCCCGTCCC
CCGATCGAATAACAGAGGAGTCTGTGTCTGTAGTTTCTTCTGAAGAAATCTCCTCTGACATGTCCGTTTTCGGAGA
AGTGCGGCAGAGAAGAAGCCCTGGTGGGGTGTCTCCCCACCTCCCTGCTCTCCATTACGATGAACCTGCAGAGA
ACTTAGCGGAGAAGAGCCTTCCACTTCCAAAGAGCACCTCTGGGTCCAGGAGAAGGTCCGCTGTCTGGAAGCACT
TCTACCTGTGCGCCACTGGACAACCTCCAAAGCTGTCTGCATTCACTGCATGAACGAGTTACGCCGGGGGAAGAATG
GGAAGGACCTGGGCACGAGCTGCCTCATCAGGCACATGTGGAGGGCACACCGCGCCATCGTGTGTCAGGAGAACG
GGGGCACGGGCATCCCGCCACTGTACTCCACCCCTCCCACTCTGCTGCCTTCCTTGCTGCCGCCGGAGGGGGAGC
TCAGCTCTGTGTCTCTCCAGTAAAGCCGGTCAGAGAGTCCCTTTCGGCCTCCTCCTCCCTGACAGGCTGA
CTGAGGACTTGCAGTCTCACTTGAACCCTGGAGATGGGCTGATGGAAGACGTGGCGGCCTTCTCATCTTCCGATG
ACATAGGGGAGGCCTCGGCGTCTCTCCTGAGAAGCAGCAGGCTGATGGGCTGAGTCTTAGATTGTTTGAATCTG
GCGCCATCTTCCAGCAGAATAAAAAGGTGATGAAAAGACTGAAGTCGGAGGTCTGGCATCACTTCTCCCTGGCCCC
CCATGGACAGCCTCAAGGCCGAGTGTGCGTACTGCGGCTGTGCCATCAGCCGGGGGAAGAAGGGTGATGTGGGCA
CCAGCTGCCTGATGAGACATCTTACCGGCGCCATCCAGAAGTTGTGCGGAGCCAGAAGGGCTTCTGGGTGCAA
GTCTGGCAAACTCTCCGTATGCCACTTTGGCCTCTGCAGAAAGTTCTCTTCCAAATTGACTGACTTGCCAACAG
TGGTCACAAAAACAATCAAGTTATGTTTCTGTTAATAGCAAAAAGACCTCGAAGCTGTGGAATCATTTTTCTA
TTTGCTCCGCAGACTCCACAAAAGTCGTGTGCTTGCACTGTGGCCGGACCATCAGCCGGGGGAAGAAGCCGACTA
ACTTGGGTACCAGCTGTCTTCTGAGACATTTACAGCGGTTCCATAGCAACGTGCTGAAAACCTGAGGTCTCGGAGA
CGGCTCGGCCCTCCTCTCCGGACACCCGGGTGCCGCGGGGCACAGAATTATCAGGCGCTTCTCTTTTGATGACA
CCAATGAGAAGTTTACGATTCTCACCCAGTTGCCAAAAAATCACAAGTCTCATAGCTGAAATGATTGCACTTG
ACCTCCAGCCATATTCTTTTGTAGACAACGTTGGCTTTAACAGGCTGCTTGAATACTTGAAACCTCAGTACTCCC
TCCCCGCCCTTCTACTTCTCCAGGACAGCTATCCAGGTATGTATGATAATGTGAAGCAGATAATTATGTCCC
ACCTTAAGGAAGCTGAGAGTGGTGTGATCCACTTCACGTCTGGAATATGGATGAGTAACCAGACCCGTGAGTACC
TGACCCTCACGGCCCACTGGGTTTCTTCGAGTCGCCAGCCCGGCGCGCTGTGACGACCACCACTGCTCGGCGC
TGTTGGACGTGTGCGAGGTGGACTGCGACTACAGTGGAACAGCATTGAGAAGCAGCTGGAGTGCTGGTGGGAAG
CGTGGGTGACCTCCACCGGCCCTTCAGGTGGGCATCACCGTCACCGACAACGCCAGCATCGGGAAGACGCTGAACG
AGGGGGAGCACTCGAGCGTGCAGTGCTTCAGCCATACGGTGAACCTGATCGTCAGCGAGGCCATTAAGAGCCAGC
GGATGGTGCAGAACCTGCTGAGCCTCGCCCGGAAGATCTGCGAGCGGTGCACCGGTGCCCCAAGGCGAAGGAGA
AACTGGCCGAGCTGCAGAGGGAGTACGCGCTGCCTCAGCATCACCTCATCCAGGACGTCCCGTCCAAGTGGAGCA
CTTCTTCCACATGCTCGAGCGGCTCATTTAGCAGAAAAGGGCCATTAACGAGATGTCCGTGAGTGTAACCTTCC
GAGAGCTGATCAGCTGCGACCACTGGGAGGTGATGCAGTCCGTGTGCCGTGCGCTAAAGCCCTTCGAGGCTGCGA
GCCGGGAGATGAGCAGCAGATGTCCACCCTCAGCCAGGTGATCCCCATGGTACACATCTTCAACAGGAAGGTGG
AGATGCTCTTTCAGGAGACGATGGGCATCGACACCATGCTGCGCTCTCTGAAGGAGGCCATGGTGAGCCGCTGT
CTGCCACCCTCCACGACCCGCGGTACGTCTTCGCCACGCTGCTGGATCCTCGCTACAAGGCCTCCCTGTTTACGG
AGGAGGAGGCGGAGCAGTACAAACAGGATTTAATCAGGGAACCTCGAAGTCTATGAATTCTACCTCAGAGGACGTGG

6617/6881
FIGURE 6108B

CTGCCTCCACAGGTGTGATGCTGGCTCCCCGTCGAAAGACTCTGCCGCAGAGGAGAACCTGTGGTCACTTGTGG
CCAAGGTGAAGAAGAAAGACCCAAGAGAAAAGCTGCCTGAAGCCATGGTGCTTGCGTATCTGGAGGAGGAGGTGC
TTGAACACAGCTGTGACCCGCTCACCTACTGGAACCTGAAGAAGGCGTCCTGGCCGGGGCTGTCCGCGCTGGCCG
TCAGATTTTGGGCTGCCCCCAAGCATCGTCCCTTCAGAAAAGCTGTTCACACACCCACTGAGAACGGTAGCC
TTGGCCAATCCAGGCTCATGATGGAACATTTTAAAAAATTATCTTTTGAAAGTGAATCTTCCCTTAATATACT
TTCAGTATTGAAACTCACGACGGCACCCTAGGCCAGAGGCGTGGCTGCCCCAGCGTTAGCAGCCTGTACCAGGT
CTATGACCCGCTCTGCCACGGCTGTGTACGACATCAGACCAGGCACTCTCAGGGCCGCTCTCCAGCTCACCACA
GTGTCTCCACGTGCCTTACCCCTTCTCCTTCAGGCCAAGTTTCGCGGGGTGTTTTATTAAGACGTCCACTAGAAA
TAGCTTGTCCTGTCAACTATGAAATATGGTGACTAGATTTTAATTCATAACCGTAAAGTTTTTAAAGTTTTGGG
TTAGTAATTTGTTTTACTAGAATGACAAAGAAGATGTAAACCATTTTATCTGTAGGCTTTTTACTCAATTATGT
ACAAACCACAAATCAGGTACTGTATTTTAGTGAAGCATTGCTTTAATTGCAACAGAATAGCTTTTGTGGCTATCA
AATGAAATCTGTAAATAGGAGGTGGAGGGCAAGCCATCCTGACTGAGCAGTTTTTAACCGCAGGTTCTAAAGTGT
CCCGCGGAGTACAGATAATATCTGGAAGGTAAGTGTACTACGACAGAGACGTGGCATTGTGAAACGAACTT
AGATGTTTCATGGAGCTTATTTTGAGAACTTTCCCATTTCAGGTTTCTGCATTTCAGGCTTTACATGGTCAGTTAA
CTCAGAGATACCCAGCTGTTTATCATCAGCTCCTCTGAAATGTGATCCCTTTGTAAGTGTGCTCATCACTTCGC
CAGTGCGTTCAATGACACGCTGATGGCAGGTGGTCCCTGCTGAAACCCCCACGCCTCCGCTTCAGCATCTCCACG
CTCTGAAGCTGTCTTTCAAAATGTGTGCACTGACCCCTTGTTTGATCAAATTTGTGTAAAATTTTTTTAGAAGA
GATGGCTTATTAACAGGGAAGAAGCTTGTATATTCCAGTTGTAAGAATAGCCTTAGTGTGTTAGATTTTTTTATG
ATAGGGAAGATGCGGCCATCACTGGGATATTTTCAAATCCCAAGGACATCAGAGTGAAGTGTGAGTTGTCAGATG
ATTTTAAAAGTTATGTCTTCAGAGAAAAAAGATTCAATTTCTCATTTTAAACCAATTAAATATTCTGAGTGAGA
CTAATCACTCATTTGCCTACGACCTTTTAGAAAAGTTGTTTTGTGAAATACTGTACGTACGCTTAATCTAAATT
TGCATTGACTATGTTTTAGTGTATTTATAAATGGTGAACCTCAGTTTCTGAAATTAACTTCTTATTTGCAATTTT

6618/6881
FIGURE 6109

CCATGTTGGCCAGGCTGGTCTGAGAGAGAACTCCTGACCTCGTGATCCGCCTGCCTCAGCCTCCCAAAGTGCTGG
GATGACAGGCGTGCGCCACTGCACCCGGCCCGTGAAGGTCTTTTCTGAAGGGAGCTACCTTTGAGAAGTGCTGT
TGGGACAGAACTCCCTGCTCTGGTCTGACCTCTGCACGCTAGGGTGGTCCTGCACCTGTGCGGGAGGGGGCCAA
GGACACAGCACTGGGCTGGGGCAGGGCTCTGCGCTGGTGCTGCCTGCCATCCCAGTTCTGCCATTCCCCAGCGC
ACCCCGCAGCCGCCCTCCAGCTGATGCCTGCTCCCTCTCTCTGCAGAACGGGCTCATGTGCGGGCTGATGCAG
ATGCTGCTGCTGAAGGTGTCTGCACACATCACCGAGCAGCTGGGCATGGCCCCAGGTGGCGAGTTTCAGGGAGGCC
TTCAAGGAGGTGGGCACAGGGTGAGGTAGGGGGTGGCCACAGGGATGTGGCTCACAGGGGTGGTCCGGGGTTCCC
AGTGCTCCCCAACACCCAGCCTCTGCTCCAGGCCAGCAAGGTGCCTTTCTGCAAGTTCCACCTGGGTGACCGACC
CATCCCCGTACCTTCAAGAGGGCCATCGCAGCGCTCTCCTTCTGGCAGAAGGTCAGGCTGGCTTGGGGCCTGTG
CTTCTGTGACACCCCATCAGGTAGGGCTGCCCCGGGACCTGGCCGGCCTGCAGGGTGGTCTGTGGGAGGCTC
CAGGCCCTCCTGTGACAGGTCCAAGCGCAGCCAATCCTCACTCAAGGCCTTCCCTGCCCTTTCTTCCGCCACAAA
TCCCAAACAAACGTGCTGTGGTCCCTGCCCCGTGTCCACAGTGCCAGCCCCACCCCCCAGCCCGTTGCCCATCC
CTGCGGGGCTGCAGCCATCCCTCTCCACAGCAAGGATGACGTGGAACGCTGCAAGCAGAAGGACCTACTGGAGCA
GATGATGGCCGAGATGATTGGCGAGTTCCCGAGCCTGCACCGCACCATCGTCTCGGAGCGCGACGTCTACCTAAC
CTACATGCTGCGCCAGGCCGCGCGGCGCCTCGAGCTGCCTCGGGCCTCTGACGGTGACGGCCGCGCCGAGGCGTG
GGACCCCTGTGAGGCTGAGGCCCGAGCAGGTACTGACCCCTTGTCTTCCCCACAGCCGAGCCAGGAAGTGCG
TCCCTCCGTGGTCTGTGGGCTGCTGGGCATGGGCCACGTGCCTGGCATCGAGAAGAAGTGGAGCACCGACCTCA
ACATCCAGGAGATCATGACCGTGCCCCGCGCTCCGTCTCCGGCAGAGTGTCTCGGTTGGCCGTGAAGGCCGCT
TCTTCGGCCTGCTGGGCTACAGCCTGTACTGGATGGGCCGCGCACCGCGAGCCTGGTCTGTGCTGCCCCGCCG
CGCAGTACTGCCTGCAGAGGGTGACCGAGGCCCGGCACAAGTAGGAGACTGCTCCCCGCCGCTCGGGCCCCCTGA
GGAGCCAGTCCCCCGCGGCACCTTCTGGGTGCCAGGTGCATCCTAGCCCGCCGAGGCCCTGCCACCCCCCATG
GGGGTCTGGGCCCCGCGCTCGCCTGCCCTCCTGGGCCAGTCACCCCTCCCCAGCCACCCAAATAAAGGATTATT
TAACTGTCTGAAAAAAAAAAAAAAAAAAAA

6619/6881
FIGURE 6110

MWLTGVVRGSQCSPTPSLCSRPARCLSASSTWVTDPSPSPSRGPSQSRPSGRRSGWLGACASCQTPSGRAAPGTL
AGLQGGIWEAFGPPVQVQAQPILTQGLPCFLPPQIPNKRAVVPARCFQCQPHPPSPLPIPAGLQPSLSTARMTW
NAASRRTYWSR

6620/6881
FIGURE 6111

GCTGGGCGACGGCGCCGCCATGTACCTGGGCGAGGTGTGCACGGCGACCGGCGAGCGCTGGGAGCTGCAGCTCAA
GGGCGCCGGGCCCCACGCCCTTCTCCAGACAGGCCGACGGTCGCAAGGTCCTACGGTCAAGCATCCGGGAGTTTCT
ATGCAGCGAAGCCATGTTCCACCTGGGAGTCCCCACCACACGGGCCGGCGCCTGCGTCACGTCCGAGTCCACGGT
GGTGC GCGACGTGTTCTATGATGGTAATCCCAAATATGAACAATGCACGGTTGTGTTGCGTGTAGCTTCCACTTT
CATAAGGTTTGGATCCTTTGAGATTTTTAAGTCTGCAGATGAGCACACAGGGCGTGCAGGCCCCAGCGTGGGGAG
GAACGACATTCGAGTGCAGCTGCTCGACTATGTCATCAGCTCCTTTTACCCCGAGATCCAGGCTGCTCATGCCAG
CGACAGCGTGCAGAGAAATGCTGCCTTCTTCCGGGAGGTGACGCGGCGCACGGCGCGGATGGTGGCCGAGTGGCA
GTGTGTGGGCTTCTGCCACGGCGTGTCAACACCGACAACATGAGCATCCTGGGGCTCACCATCGACTACGGGCC
CTTTGGCTTCTTGGACAGGTACGACCCCGACCACGTGTGCAATGCCTCCGACAACACCGGCCGCTACGCGTACAG
CAAGCAGCCCCGAGGTGTGCAGGTGGAACCTGCGGAAGCTGGCCGAGGCCCTGCAGCCGGAAGTGGCCCTGGAGCT
GGGGGAGGCCATCCTGGCCGAGGAGTTTGACGCCGAGTTCCAAAGGCACTACCTGCAGAAGATGCGCAGGAAGCT
GGGCCTCGTGCAGGTGGAGCTGGAGGAAGACGGGGCGCTGGTGTCCAAGCTCCTGGAGACCATGCATCTGACCGG
TGCCGACTTCACAAACACCTTCTACTTGCTGAGCTCCTTCCAGTGGAGCTAGAGTCGCCAGGCCTGGCGGAATT
CCTGGCCAGGCTGATGGAGCAGTGTGCCTCCCTGGAGGAGCTGAGGCTGGCCTTCCGGCCCCAGATGGATCCCCG
GCAGCTATCCATGATGCTGATGCTGGCGCAGTCAAACCCGCAGCTGTTTCGCGCTTAAGGGACCCGGGCAGGCAT
CGCCAGGGAGCTGGAGCGTGTGGAGCAGCAGTCTCGGCTGGAGCAGCTGAGTGC GGCAGAGCTGCAGAGCAGGAA
CCAGGGCCACTGGGCTGACTGGCTACAGGCGTACAGAGCCCGGCTGGACAAGGACCTGGAAGGCGCTGGGGACGC
TGCCGCTTGGCAGGCTGAGCACGTGCGCGTGATGCACGCCAACAACCCGAAGTACGTGCTGAGGAAGTACATCGC
GCAGAAATGCCATCGAGGCTGCCGAGCGCGGGGACTTCTCAGAGGTGCGGCGGGTGCTGAAACTACTGGAGACCCC
TTACCACTGCGAGGCGGGGGCCGCCACAGACGCCGAGGCCACGGAAGCCGACGGGGCGGACGGCAGGCAGCGCTC
CTACAGCAGTAAGCCCCGCTCTGGGCAGCAGAACTGTGCGTGACATGTGATCTTCGTAACGGCCTCGGCACGCTCC
ACACCCCTGGAGTCTCCCGAGGCCCCCATGTGCTGCTGAGTGGCCAAGATGATGCCAGGCTGCCCTATACACTGG
GGGATTCTGCCCTGGCCCATGCACACCCGTCTTTCCATGATGGCAGAGACATCCAGTCAGGACCTGACCCGTCTC
TGTCTGAGGCCGGCTCAGCAGTGCAGCCTGGTCCCTGGGGGCTGGACCCAGGCTCCTAAATAAACCAGCAACTCC
CTCG

6621/6881
FIGURE 6112

MYLGEVCTATGERWELQLKGAGTPPFSRQADGRKVLRSSIREFLCSEAMFHLGVPTTRAGACVTSESTVVRDVFY
DGNPKYEQCTVVLRVASTFIRFGSFEIFKSADHTGRAGPSVGRNDIRVQLLDYVISSFYPEIQAAHASDSVQRN
AAFFREVTRRTARMVAEWQCVGFCHGVLNTDNMSILGLTIDYGPFGLDRYDPDHVCNASDNTGRYAYSKQPEVC
RWNLRKLAEALQPELPLELGEAILAEFDQAEFQRHYLQKMRRLGLVQVELEEDGALVSKLLETMHLTGADFTNT
FYLLSSFPVELESPLAEFLARLMEQCASLEELRLAFRPMQMDPRQLSMMLMLAQSNPQLFALMGTRAGIARELER
VEQQSRLEQLSAAELQSRNQGHWADWLQAYRARLDKDLGAGDAAAWQAEHVRVMHANNPKYVLRNYIAQNAIEA
AERGDFSEVRRVLKLETPYHCEAGAATDAEATEADGADGRQRSYSSKPPLWAAELCVT

6622/6881
FIGURE 6113

GATTCTCCCAGCAACAAGCTGCTGTACGCCAAGGAGATCTCCACCTACAAGAAGATGGTGGAGGATTACTACAAG
GGGATCCGGCAGATGGTGCAGGTCAGCGACCAGGACATGAACACACACCTGGCAGAGATTTCCCGGCGCCCCCTC
CCTGCGGCTGCACCCACGGCCGTGCCCACAGCGCCCCCTCCCTGCGGCTGCACCCTCGGCCGTGCCCACAGCGCC
CCCTCCCTGCGGCTCCATCCACGGCCGTGTCCACAGCGCCCCCTCCCTGCGGCTGCACCCACGGCCGTGCCCACA
GCGCCCCCTCCCTGCGGCTCCACCCACAGCCCTGCTCACAGCACCCGTCCCTGTGGGTCCATCCACAGCCGTGCG
TCACACAGGGAGACACTGAGATGGTTGGATGTGCACAACCTCTGCCTGCGCGCACACGGACTCCTTGAACACCCTC
GTGGCACTCCACCAGCTCTACCAATACACGCAGAAGTACTATGACGAGATCATCAATGCCCTTGGAGGAGGATCCT
GCCGCCCAGAAGATGCAGCTGGCCTTCCGCCTGCAGCAGATTGCCGCTGCACTGGAGAACAAGTCAGGGTGGGCT
TCCTAG

6623/6881
FIGURE 6114

GCCCTGCTCTAGCGGGCCGCGTAGCGGACATGGCGGGCTCCCGGCTCCCGCGGCAGCTCTTCCTCCAGGGCGTGG
CGGCCGTCTTCATGTTTGCTTTGCTTCCCTCTACACGCAAATCCCAGGCCTGTATGGCCCCGAGGGCATCCTAC
CTGCAAGGAGGACGCTGCGGCCCTCAGGGCAAGGGGCGCTGGCAGCAGCTGTGGGAGACCCCGACGCTGCTGTGGG
AAGCGCCGAGACTGGGGCTGGACACGGCCCAGGGCCTGGAGCTGCTGAGCCTGCTGGGTGCACTAGTGGCCCTGG
GAGCCCTGCTGCTGAGCCCACTGCGCCACCCTGTCTACTTTGCTGCTTTGGGGCCGCTACCTGTCAGCCTGCC
AGGTGGGCCAGGTGTTCCCTTTATTTCCAGTGGGACTCCCTGCTGCTAGAGACTGGCTTCCTGGCCGTGCTGGTGG
CCCCGCTGAGGCCAGCCTCCACCGCAAGGAGGGCCCCCAGGGCAGGCAGGCAGGGGCCCTGCCCCACGAAGACC
TCCCCTTCTGGCTGGTGCGATGGCTGCTGTTCCGCTCATGTTTCGCTCAGGCGTGGTCAAGCTGACCAGCCGCT
GCCCTGCGTGGTGGGGGCTCACTGCCCTCACCTACCACTACGAGACCCAGTGCTGCCCACGCCCGCCGCTGGT
TCGCACACCACCTGCCGGTCTGGCTGCACAAGCTCAGCGTGGTGGCCACCTTCCTAATTGAGATCGCTGTGCCGC
CCCTGTTCTTCGCCCCCATTCGACGCCTGCGCTTGGCTGCTTTCTACTCGCAGGTGCTGCTGCAGGTCTTGATTA
TCATCACCGGCAACTACAACCTTCTTCAACCTGATGACGCTGGTGCTTACCACTGCGCTGCTGGACGACCAGCACC
TGGCTGCTGAGCCTGGCCACGGCAGCCGCAAGAAGACGGCCACCTCCTGGCCCAAGGCCCTGCTGGCCACCTGT
CGCTGCTGCTGGAAGTAGCCGTCTACGGGCTTCTGGCCTATGGCACTGTGCACTACTTTGGCCTGGAGGTTGACT
GGCAGCAGCGCACCATCCACTCCAGAACCACCTTTCACCTTCCACCAGTTTTCTCAGTGGCTGAAGACACTGACGC
TGCCCACTGTGTGGCTGGGTGTGGCTCCCTGGTCTGGGAGCTGCTGAGTGCCCTGTGGAGGTGGACCCAGGTGC
GGGGCTGGCTACGGAAGCTCAGTGCTGTAGTCCAACCTGTCCCTTGTGGGCACTGCGACCGTGGCCTTGTTCCTGA
TTAGCCTGGTGCCGTACTCCTACGTGGAGCCCGGGACCCACGGGCGCCTCTGGACCGGGGCCACCGCCTGTTG
GTGCCGTGGAGCACCTACAGCTGGCCAACCTCCTACGGCCTCTTCCGCCCATGACTGGGCTTGGTGGACGGCCTG
AGGTGGTGTGGAGGGCAGTTACGACGGCCACCCTGGACGGAGATCGAGTTCATGTACAAGCCTGGGAACCTGA
GCCGGCCGCCCCCGGTGTGTGGTGCCCCACCAGCCACGCCTGGACTGGCAGATGTGGTTTGCAGCCCTGGGCCCAC
ACACGCACAGCCCGTGGTTCACAAGCCTGGTCTTGCGCCTGCTGCAGGGCAAGGAGCCAGTGATCCGCCTTGTCC
AGAGCCAAGTGGCCAGGTATCCCTTCCACAAGCAGCCGCCCACCTACGTCCGAGCCAGCGCTACAAGTACTGGT
TCTCCCAGCCTGGGGAGCAGGGCCAGTGGTGGCGGCCAGTGGGTGGAGGAGTTCTTCCCATCCGTGTCCCTGG
GGGACCCACGCTGGAGACGCTGCTCAGGCAGTTTGGACTACAGGAGAAAAGCCACCTCGCACCCGCAGCGCCA
ACAGCACCCCTGGCCCAGGCCCTCCACTGGACTCGCTCTCAGCTGTCTCCCTGGAGGGCCCCCGCCCTGCTCTGGG
GGCTCCTCATGGCCGTGGGGGCTGTGAGATTGTGCAAGCCCTGCTAGCACCTGTCTCTCCGGTCTTCCCCGC
TGGCACCACTCAGCGGGGAGAAGCGCAGGCCAGCCTCCAGAAAGACTCCGGAGCTGCCTCCGAACAGGCCACCG
CAGCCCCCAACCCCTGCTCCAGTAGTTCGAGGACCACCCGGCGAAAGAAGTAGCTGTGTTCTCCAGCTGCACGT
CCTGAGAGGGCCAGGTGCGCGGAGTGCTCTGGCCTCCGGCAGGACAGGACCCAGCCACTGTGCCTTAGCTGACC
CTGCAGGGCCAGGCACAGGTTGGGGGGCTGCCCCCTGGGGTTTTGCAGGGTGCTGCATTGAGGGCTCCAGGCCCCAC
CCCCACGCCAGCCATGCCCCCTCCCCAGGACTCCCACTATTGCCTCTGTGATTGGCCAGGAGGAAAACACGACCA
AGCTCAAGACCCTTCCCCCTGCCCTGGGCTGTGGGGGTCTGAGTCTAGAGCCCCCAACCCTAGGCCCCGTGCCAGA
GGGAAGAGGCTGACTCCCAGGGGAAGAGGGGAAGCACTGTCTATCTTCCACGTCTCTTACACCAGCCATCCT
GCCCTTTAGATCTGGGCACCAATAAAGGCGTCTTTTGTGCTTG

6624/6881
FIGURE 6115

MAGSRLPRQLFLQGVAAVFMFAFASLYTQIPGLYGPEGILPARRTLRPQGKGRWQQLWETPTLLWEAPRLGLDTA
QGLELLSLLGALVALGALLSPLRHPVIYLLLWAAYLSACQVGQVFLYFQWDSLLETGFLAVLVAPLRPASHRK
EAPQGRQAGALPHEDLPFWLVRWLLFRLMFASGVVKLTSRCPAWWGLTALTYYHYETQCLPTPAAWFAHHLPVWLH
KLSVVFATFLIEIAVPPLFFAPIRRRLRLAAFYSQVLLQVLIITGNYNFFNLMTLVLTALLDDQHLAAEPGHGSR
KKTATSWPKALLATLSLLELAVYGLLAYGTVHYFGLEVDWQORTIHSRTTTFTHQFSQWLKTLTLPTVWLGVAS
LVWELLSALWRWTQVRGWLRLKLSAVVQLSLVGTATVALFLISLVPYSYVEPGTHGRLWTGAHRLFGAVEHLQLAN
SYGLFRMTGLGGRPEVVLEGSYDGHHWTEIEFMYKPGNLSRPPVVPVPHQPRLDWQMWFAALGPHTHSPWFTSL
VLRLQKGKEPVIRLVQSQVARYPFHKQPPTYVRAQRYKYWFSQPGEQGQWRRQWVEEFFPSVSLGDPITLETLR
QFGLQEKSPPRTRSANSTLAQALHWTRSQLSPLEAPALLWGLLMAVGAVRFVQALLAPCSLRSSPLAPVSGEKRR
PASQKDSGAASEQATAAPNPCSSSSRTTRRKK

6625/6881
FIGURE 6116

AGCAAAATGGCGCCAGAACTAGTGGCGGGCTGAGGACGCCGTACCCCTCGGAAGGCAGCCCTGCGGTCCCTTTGC
CGCCCGTTCCCTCCCGGACATGGAGGACGTGGAGGCGCGCTTCGCCACCTCTTGAGCCCATCCGCGACCTCAC
CAAGAACTGGGAGGTGGACGTGGCGGCCAGCTGGGCGAGTATCTGGAGGAGCTGGATCAGATCTGCATTTCCTT
TGACGAAGGCAAGACCACAATGAACTTCATTGAGGCAGCGTTGTTGATCCAGGGCTCTGCCTGCGTCTACAGTAA
GAAGGTGGAATACCTCTACTCACTCGTCTACCAGGCCCTTGATTTTCATCTCTGGAAAGAGGCGGGCCAAGCAGCT
CTCTTCGGTGCAGGAGGACAGGGCCAATGGGGTTGCCAGCTCCGGGGTCCCCAGGAGGCAGAGAATGAGTTCCT
GTGCTGGATGACTTCCCTGACTCCCGGACTAACGTGGATCTCAAGAATGATCAGACGCCAGTGTGAGTCCTCA
TCATCCCCCTCCTGCCCATGGCCCTGGTGGCCCTGATGAAATGGAGAAGAACAACAATCCCCGTGTACAGCCGTC
AGGGTGAGGTCTTGCCAGCCGGAAGGATTTAGGATGAACACGTGCGTTCCCCACCCAGAGGGGCCCTTCATGT
TGGAGCCAGAGGGCATGTCCCCATGGAACCAGCGGGCGTTTTCCCCATGCCAGGGACCCAGAAGGACACCGGGA
GGACTGAGGAGCAGCCAATGGAAGTTTCCGTGTGCAGGAGCCCTGTCCAGCACTCGGCTTCTCCAGGAGCCAG
GCCCCCTCTCCAGAAGGCCCGATGCCCCTGGGTGGGGGCGAGGACGAGGATGCAGAGGAGGCAGTAGAGCTTCCTG
AGGCCTCGGCCCCCAAGGCCGCTCTGGAGCCCAAGGAGTCCAGGAGCCCGCAGCAGAGTGCTGCCCTGCCAGGA
GGTACATGCTGCGGGAGCGGGAGGGGGCCCCAGAGCCTGCATCCTGCGTGAAGGAGACTCCAGACCCCTGGCAGA
GCCTGGACCCCTTTGACTCCTTGAGTCTAAGCCCTTCAAGAAAGGTAGGCCTTACTCTGTGCCCCCTGTGTGG
AGGAGGCTCTGGGACAGAAGCGCAAGAGGAAGGGCGCTGCCAAGCTGCAGGACTTCCACAGTGGTACCTGGCTG
CCTATGCAGACCATGCCGACAGCAGGCGGCTTCGGCGAAAGGGTCCGTCTTTGCAGACATGGAGGTCCCTGTACT
GGACACACGTGAAGGAGCAGTTGGAACTCTCCGGAAGCTGCAGAGGAGGGAGGTGGCTGAGCAGTGGCTGCGGC
CTGCAGAGGAGGACCACCTGGAGGATTCCCTGGAAGACCTGGGGGCAGCAGATGACTTTCTAGAGCCTGAGGAGT
ACATGGAGCCCCGAGGGAGCAGACCCAGGGAAGCCGCTGACCTTGACGCACTGCCGATGTCCCTGAGCTACGAGG
AGCTGGTTTCAAGGAATGTGGAGCTCTTCATCGCCACCTCCCAGAAGTTTGTCCAGGAGACAGAGCTGAGCCAGC
GCATCAGGGACTGGGAGGACACAGTGCAGCCTCTGCTCCAGGAGCAGGAGCAGCATGTGCCCTTTGACATCCACA
CCTATGGGGACCAGCTGGTCTCACGGTTCCCCCAGCTCAATGAGTGGTGTCCCTTTGCGGAGCTGGTGGCTGGCC
AGCCGGCCTTCGAGGTGTGCTGTTCCATGCTGGCCTCCCTGCAGCTGGCCAATGACTACACAGTGGAGATAACCC
AGCAGCCCGGGCTGGAGATGGCCGTGGACACCAITGTCCTTGAGACTGCTCACGCACCAGCGAGCGCACAAAGCGCT
TCCAGACCTACGCTGCCCCCTCCATGGCCCAGCCCTTGAGTGGGGAGCACCGAGGCAGGGGTGGGGGAATGTGTAC
TGAGGAGCCGTGTGTCTGCTCCTGGCTGGCCCGGCCCTAATAAAGCAGTGTGCCATCTCATCTTCCCCCTAAAAA
CCCTTTTATGTACACCTGCGCAGAGAAGAGGGGCTGCCTGGCCTCCCTGGGCCGCTGGTACAGATCACACACACAC
ACAGATTAAACGCAGCCCGTTTAATGATGGGGCCAGACTGCAGTGGCTCAAGACAGGACACTGCGGAAAGCCGC
CATGTGCCCGCCGACACTGTCTGAGATCTGCTCAGCCGATCTGCTCCGGCCGTAGTAATCCGTGAAGAGGCCGTC
AGGGTTGAGCAGGTAGATGGCAATGGAGTGGTCCACGATGTAGTCTGCTCCTCATCCTTGGGGCCTGCATTGTA
GTACACGCGGTAACCTGTGACTAGCCTGGGCAACCTGTTTGGTGGAGCCGGTCAGACCCAACAGTCTTGGGTGGAA
GTCTTGACGTAGCGGGCCATGGCTTCAACGTCTGCCGCTCGGGGTCCACAGTGATGAAGACAGGCTGCACTGG
AGGCAAACCAGGCTCTGCTTCCAGCTGCCGCACCACCTGCACCAGCTTCTCCAGCTCGTCTGGGCAGATGTCAGG
GCAGTGAGTGAAGCCAAAGTACATCAGCACCCACTGGCCCCGGAAGTCAGCCTTGACGCGAGCCCGGCCTCTGTG
ATCCAGCAGGTGGAAGTCGCCCTGGCCCACAGCTGCCTGGCGCAGGGCTTCTGTTGCTTTTGCTGCTGCAGCCT
CTCCTTCTCAGCCCTCAGGGCCAGCCAGGCCCCACCGAGTCCAGCCCCGAACAGGCCTGTGATCAGCAGCCGGGT
TCGAAGCCCAGGGCCCTGGGGCTGGCCCTGCCACCTGTCTCTGCAGGGCCCTGCCTTGACAAAAGCCAGGACCT
CAGATGCAGGGCCTGGCCTCCAGGGTCCCAGGGAGGACCCGAGGCTTGAGCTGAGAGAGCCTGTGCCAAGCTGT
GGGGCTCCGAGTCAGCAGCAGCATGGATCTGATGCTCCTGGAAACAAGCACAGGCGTCAGGAGCCAGAAGGGAAG
GCCCAGGACAGTGCCTGGGCTGCCCTGCGACTTGAGACCAGCCACCCATCTGAAGGACCCAGCCCACGTTTCAGG
CTTAACAGGCATTTGCAGCTGCTCACCTGAGCTCAGAACTCCACCTCCACCAAACATCCACACCTGGGCAACCAC
ACCTGTCACTCCTGTCTCTACCTGGGATCACCAGCCTGTACCGCACCCCTGCCCTGCACCTGCACCTCAGCAAG
GTGAACCTCTTGCTGACGGAAAGCATTCCAAGTGCATGCCTTGCTGAACTAACCACGTTATCTATTTGCAATAA
ACCCATTTCTTAAAGG

6626/6881
FIGURE 6117

MALVAPDEMEKNNNPLYSRQGEVLASRKDFRMNTCVPHPRGAFMLEPEGMSPMEPAGVSPMPGTQKDTGRTEEQP
MEVSVCRSPVPALGFSQEPGPSPEGPMPLGGGEDEDAEEAVELPEASAPKAALEPKESRSPQQSAALPRRYMLRE
REGAPEPASCVKETPDWPQSLDPFDSLESKPFFKKGRPYSVPPCVEEALGQKRKRKGAAKLQDFHQWYLAAYADHA
DSRRLRRKGPSFADMEVLYWTHVKEQLETLRKLQRREVAEQWLRPAEEDHLEDLEDLGAADDLEPEEYMEPEG
ADPREAADLDAVPMSLSYEELVRRNVELFIATSQKFVQETELSRIRDWEDTVQPLLQEQEQHVPFDIHTYGDQL
VSRFPQLNEWCPFAELVAGQPAFEVCRSMLASLQLANDYTVEITQPGLEMAVDTMSLRLLTHQRAHKRFQTYAA
PSMAQP

6627/6881
FIGURE 6118

GCTTTCCACAGCGCGGGGGAACGGGAGGCCGCAGGATGGTCAAGCTGACGGCGGAGCTGATCGAGCAGGCGGCGC
AGTACACCAGCGCGGTGCGCGACCGGGAGCTGGACCTCCGGGGGTATAAAATTCCCGTCATTGAAAATCTAGGTG
CTACGTTAGACCAGTTTGATGCTATTGATTTTTCTGACAATGAGATCAGGAACTGGATGGTTTTCTTTGTTGA
GAAGACTGAAAACGTTGTTAGTGAACAAAACAGAATATGCCGTATAGGTGAGGGACTTGATCAGGCTCTGCCCTG
TCTGACAGAACTCATTCTACCAATAATAGGCTCGTGGAAGTGGGTGATCTGGACCCTCTGGCATCTCTCAAATC
GCTGACTTACCTAAGTATCCTAAGAAATCCAGTAACCAATAAGAAGCATTACAGATTGTATGTGATTTATAAAGT
TCCGCAAATCAGAGTACTGGATTTCCAGAAAGTGAAACTAAAGAGCGTCAGGAAGCAGAGAAAATGTTCAAGGGC
AAACGGGGTGACAGCTTGCAAAGGATATTGCCAGGAGAAGCAAACTTTTAATCCAGGTGCTGGTTTGCCAACT
GACAAAAGAAAGGTGGGCCATCTCCAGGGGATGTAGAAGCAATCAAGAATGCTATAGCAAATGCTTCAACTCTG
GCTGAAGTGGAGAGGCTGAAGGGTTGCTGCAGTCTGGTCAGATCCCTGGCAGAGAACGCAGATTGGGGCCCACT
GATGATGGTGAAGAAGAGATGGAAGAAGACACAGTCACAAACGGGTCCTGAGCAGTGAGGCAGATGTATAATAAT
AGGCCGTCTTGAACAAGTCTTGCTTTTCAAACATAGTATAATAGCCTTGTTTGTTGTTAGCAAAGTGAATCTAT
CAGCATGGTTGAAATGCTTAAGACTGCTGCTGATAATTTTGTAATATAAGTTTGAAATCTAAATGTCAATTTTC
TACAAATTATAAAAATAAACTCCACTCACTGTGCTACC

6628/6881
FIGURE 6119

GTCTTAGCGGCTGCGCGGTGGCTGCTCCGTCCTTTTCGGTCCAGGCGGCGGCAGGGCTGAGCCAGCGACGCCCTCC
ATTCACTCTCCGCGCCCGTTCTCCGGCTGTCCTCCCGTTCCGCTGCCCCGCCCTGCCACCATGACGGAACAGGCCA
TCTCCTTCGCCAAAGACTTCTTGCCGGAGGCATCGCCGCCGCCATCTCCAAGACGGCCGTGGCTCCGATCGAGC
GGGTCAAGCTGCTGCTGCAGGTCCAGCACGCCAGCAAGCAGATCGCCGCCGACAAGCAGTACAAGGGCATCGTGG
ACTGCATTGTCCGCATCCCCAAGGAGCAGGGCGTGCTGTCTTCTGGAGGGGCAACCTTGCCAACGTCATTGCT
ACTTCCCCACTCAAGCCCTCAACTTCGCCTTCAAGGATAAGTACAAGCAGATCTTCCTGGGGGGCGTGGAACAAGC
ACACGCAGTTCTGGAGGTACTTTGCGGGCAACCTGGCCTCCGGCGGTGCGGCCGGCGCGACCTCCCTCTGCTTCG
TGTACCCGCTGGATTTGCCAGAACCCGCCTGGCAGCGGACGTGGGAAAAGTCAGGCACAGAGCGCGAGTTCCGAG
GCCTGGGAGACTGCCTGGTGAAGATCACCAAGTCCGACGGCATCCGGGGCCTGTACCAGGGCTTCAGTGTCTCCG
TGCAGGGCATCATCATCTACCGGGCGGCCTACTTCGGCGTGACGATACGGCCAAGGGCATGCTCCCCGACCCCA
AGAACACGCACATCGTGGTGAGCTGGATGATCGCGCAGACCGTGACGGCCGTGGCCGGCGTGGTGTCTACCCCT
TCGACACGGTGCGGGCGGCATGATGATGCAGTCCGGGCGCAAAGGAGCTGACATCATGTACACGGGCACCGTCG
ACTGTTGGAGGAAGATCTTCAGAGATGAGGGGGGCAAGGCCTTCTTCAAGGGTGCGTGGTCCAACGTCCTGCGGG
GCATGGGGGGCGCCTTCGTGCTGGTCTGTACGACGAGCTCAAGAAGGTGATCTAAGGGCCGCGGCCTCTCCAC
ACACACACACACACCAGGGGAACCAAGAGAACCACGTAGAACTCTCAACCGTGCGGACCATCAACCTTCGAGAAA
TTCCAGTTGTCTTTTCCCAGCCGCATCTGCCTGTAGATGGCCGGGGAAGGCTCTAGAAAAGGGGCGCATTGCG
ATCCAACCATCGGCAGCCGATTCCGTGTCTTGATCACGGGGTGGGAGGGAACCGTGGCGTCCCTGCGTGGGGCCC
ATGGGTGAGACACTCCAGTACTGAGACCTAGAGTCCAGATGCTTGTAGGAGCCAAGTCGTGTTCTAAGTATTTAT
TTAAAACAAAAGAATCACGTTTTCCATTTGTACTTCAGCGCTAGCCCCCTGTTTTGCACAGCCGAGTACTGGCGA
GTATGTTCTATGTTGGGCCTCCTGCTGCAAAACAATAAACAGAGGACGCAGAGGTC

6629/6881
FIGURE 6120

MTEQAISFAKDFLAGGIAAAISKTA VAPIERVKLLLQVQHASKQIAADKQYKGIVDCIVRIPKEQGVLSFWRGNL
ANVIRYFPTQALNFAFKDKYKQIFLGGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGKSGT
EREFRLGDCLVKITKSDGIRGLYQGFSVSVQGI IYRAAYFGVYDTAKGMLPDPKNTHIVVSWMIAQTVTAVAG
VVSYPFDTVRRRMMMQSGRKGADIMYTGTVDCWRKIFRDEGGKAFFKGAWSNVLRGMGGAFLVLYDELKKVI

6630/6881
FIGURE 6121

ATGGTTCTCTTCGCCGCCTGCGAGCTGGGCGTGTTTGACCTTCTCGCCGAGGCCCCAGGGCCCCCTGGACGTGGCG
GCAGTGGCTGCAGGTGTGAGGGCCAGCGCCCATGGGACAGAGCTCCTGCTGGACATCTGTGTGTCCCTGAAGCTG
CTGAAAGTGGAGACGAGGGGAGGAAAAGCTTTCTATCGAAACACAGAGCTGTCCAGCGACTACCTGACCACGGTC
AGCCCGACGTCACAATGCAGCATGCTGAAGTACATGGGCAGGACCAGCTACCGGTGCTGGGGCCACCTGGCAGAC
GCCGTGAGAGAAGGAAGGAACCAGTACCTGGAGACGTTTGGCGTTCCCGCTGAAGAGCTTTTTACGGCCATCTAC
AGGTCCGAGGGCGAGCGGCTACAGTTTATGCAAGCTCTGCAGGAGGTCTGGAGCGTCAACGGGAGAAGCGTGCTG
ACCGCCTTTGACCTGTCTAGTGTTCCTACTTATGTGTGACCTTGGTGGTGGGGCTGGAGCTCTGGCTAAGGAATGC
ATGTCTCTGTACCCTGGATGTAAGATCACCGTTTTTGACATCCCAGAAGTGGTGTGGACGGCAAAGCAGCACTTC
TCATTCCAGGAGGAAGAACAGATTGACTTCCAGGAAGGACCTGCTCAATCCATAAGACGATTAATGAGTGCTAAT
GATGGCAAGCGCTCCAGAGGCTCCGGAAGCCACGGCTGGATTGGAGACAAGATGGGATCCTCAGAGGACCAGGCC
TATCGCCTCCTTAATGACTACGCCAACGGCTTCATGGTGTCCAGGTGAAGAGATGCAGAGGGTCCAAGAGGATT
TCACAGAGTTCACAGAAACCAGCTCCTCAAGAGACATCAAGTCACCCAAGAATAGACAAGCAGGATGATGCACGC
AGATCTTCCAGATGCTTCCAGATCTTCCAGATGCTCCCAGAAGAGCTAGAGCAGAGGCAATGA

6631/6881
FIGURE 6122

TCCAAGGTTCTCTTCGCCGCTGCGAGCTGGGCGTGTTTGACCTTCTCGCCGAGGCCCCAGGGCCCCCTGGACGTG
GCGGCAGTGGCTGCAGGTGTGAGGGCCAGCGCCCATGGGACAGAGCTCCTGCTGGACATCTGTGTGTCCCTGAAG
CTGCTGAAAGTGGAGACGAGGGGAGGAAAAGCTTTCTATCGAAACACAGAGCTGTCCAGCGACTACCTGACCACG
GTCAGCCCCGACGTACAATGCAGCATGCTGAAGTACATGGGCAGGACCAGCTACCGGTGCTGGGGCCACCTGGCA
GACGCCGTGAGAGAAGGAAGGAACCAGTACCTGGAGACGTTTGGCGTTCCCGCTGAAGAGCTTTTTACGGCCATC
TACAGGTCCGAGGGCGAGCGGCTACAGTTCATGCAAGCTCTGCAGGAGGTCTGGAGCGTCAACGGGAGAAGCGTG
CTGACCGCCTTTGACCTGTCAGTGTTCCCACTTATGTGTGACCTTGGTGGGACATGGATAAAGCTGGAAACCATC
ATTCTCAGCAAACATATCGCAAGGACAGAAAACCAAACACCGCGTGTTCTCACTCATAGGTGGGGCTGGAGCTCTG
GCTAAGGAATGCATGTCTCTGTACCCTGGATGTAAGATCACCGTTTTTGACATCCCAGAAGTGGTGTGGACGGCA
AAGCAGCACTTCTCATTCCAGGAGGAAGAACAGATTGACTTCCAGGAAGGGGATTTCTTCAAAGACCCTCTTCCG
GAAGCTGATCTGTACATCCTGGCCAGGGTCCTCCATGACTGGGCAGACGGAAGTGCTCACACCTGCTGGAGAGG
ATCTACCACACTTGCAAGCCAGGTGGTGGCATTCTGGTAATTGAAAGCCTCCTGGATGAAGACAGGCGAGGTCCT
CTGCTCACGCAGCTCTACTCTCTGAACATGCTTGTGCAGACGGAAGGGCAGGAGAGGACCCCCACCCACTACCAC
ATGCTCCTCTCTTCTGCTGGCTTCAGAGACTTCCAGTTTAAGAAAACAGGAGCCATTTATGATGCCATTTTAGCC
AGGAAATAACTGTTTCTTGTGACCTGGAACCTAACGTCAAAGCACACAAGACATAATAATAAAGACATGTACCTCC
A

6632/6881
FIGURE 6123A

ATGCCCAAGCGCGCGCACTGGGGGGCCCTCTCCGTGGTGCTGATCCTGCTTTGGGGCCATCCGCGAGTGGCGCTG
GCCTGCCCCGATCCTTGTGCTGCTACGTCCCCAGCGAGGTCCACTGCACGTTCCGATCCCTGGCTTCCGTGCCC
GCTGGCATTGCTAAACACGTGGAAAGAATCAATTTGGGGTTAATAGCATAACAGGCCCTGTCAGAAACCTCATT
GCAGGACTGACCAAGTTGGAGCTACTTATGATTACGGCAATGAGATCCCAAGCATCCCCGATGGAGCTTTAAGA
GACCTCAGCTCTCTTCAGGTTTTCAAGTTCAGCTACAACAAGCTGAGAGTGATCACAGGACAGACCCTCCAGGGT
CTCTCTAACTTAATGAGGCTGCACATTGACCACAACAAGATCGAGTTTATCCACCCTCAAGCTTTCAACGGCTTA
ACGTCTCTGAGGCTACTCCATTTGGAAGGAAATCTCTCCACCAGCTGCACCCCAGCACCTTCTCCACGTTTACA
TTTTTGGATTATTTTCAGACTCTCCACCATAAGGCACCTCTACTTAGCAGAGAACATGGTTAGAACTCTTCCTGCC
AGCATGCTTCGGAACATGCCGCTTCTGGAGAATCTTTACTTGCAGGGAAATCCGTGGACCTGCGATTGTGAGATG
AGATGGTTTTTGGAAATGGGATGCAAAATCCAGAGGAATTCTGAAGTGTAAGGACAAAGCTTATGAAGGCGGT
CAGTTGTGTGCAATGTGCTTCAGTCCAAAGAAGTTGTACAAACATGAGATACACAAGCTGAAGGACATGACTTGT
CTGAAGCCTTCAATAGAGTCCCCTCTGAGACAGAACAGGAGCAGGAGTATTGAGGAGGAGCAAGAACAGGAAGAG
GATGGTGGCAGCCAGCTCATCCTGGAGAAATTCCAAC TGCCCCAGTGGAGCATCTCTTTGAATATGACCGACGAG
CACGGGAACATGGTGAACCTGGTCTGTGACATCAAGAAACCAATGGATGTGTACAAGATTCACTTGAACCAAACG
GATCCTCCAGATATTGACATAAAATGCAACAGTTGCCTTGGACTTTGAGTGTCCAATGACCCGAGAAAACATATGAA
AAGCTATGGAATTTGATAGCATACTACAGTGAAGTTCCCGTGAAGCTACACAGAGAGCTCATGCTCAGCAAAGAC
CCCAGAGTCAGCTACCAGTACAGGCAGGATGCTGATGAGGAAGCTCTTTACTACACAGGTGTGAGAGCCCAGATT
CTTGACAGAACCAAGTGGGTGATGCAGCCATCCATAGATATCCAGCTGAACCGACGTCAGAGTACGGCCAAGAAG
GTGCTACTTTTCTACTACACCCAGTATTCTCAAACAATATCCACCAAAGATACAAGGCAGGCTCGGGGCAGAAGC
TGGGTAATGATTGAGCCTAGTGGAGCTGTGCAAAGAGATCAGACTGTCTTGAAGGGGGTCCATGCCAGTTGAGC
TGCAACGTGAAAGCTTCTGAGAGTCCATCTATCTTCTGGGTGCTTCCAGATGGCTCCATCCTGAAAGCGCCCATG
GATGACCCAGACAGCAAGTTCTCCATTCTCAGCAGTGGCTGGCTGAGGATCAAGTCCATGGAGCCATCTGACTCA
GGCTTGTACCAAGTGCATTGCTCAAGTGAGGGATGAAATGGACCGCATGGTATATAGGGTACTTGTGCAGTCTCCC
TCCACTCAGCCAGCCGAGAAAGACACAGTGACAATTGGCAAGAACCCAGGGGAGTCCGTGACATTGCCTTGCAAT
GCTTTAGCAATACCCGAAGCCACCTTAGCTGGATTCTTCCAAACAGAAGGATAATTAATGATTTGGCTAACACA
TCACATGTATACATGTTGCCAAATGGAACCTTTTCCATCCCAAAGGTCCAAGTCAGTGACAGTGGTTACTACAGA
TGTGTGGCTGTCAACCAGCAAGGGGCAGACCATTTTACGGTGGGAATCACAGTGACCAAGAAAGGGTCTGGCTTG
CCATCCAAAAGAGGCAGACGCCAGGTGCAAAGGCTCTTTCAGAGTCAGAGAAGACATCGTGGAGGATGAAGGG
GGCTCGGGCATGGGAGATGAAGAGAACACTTCAAGGAGACTTCTGCATCCAAAGGACCAAGAGGTGTTCTCTCAA
ACAAAGGATGATGCCATCAATGGAGACAAGAAAGCCAAGAAAGGGAGAAGAAAGCTGAAACTCTGGAAGCATTCCG
GAAAAAGAACCAGAGACCAATGTTGCAGAAGGTCGCAGAGTGTGTAATCTAGACGAAGGATAAACATGGCAAAC
AAACAGATTAATCCGGAGCGCTGGGCTGATATTTTAGCCAAAGTCCGTGGGAAAAATCTCCCTAAGGGCACAGAA
GTACCCCCATTGATTAACCAACCAAGTCTCCATCCTTGAGTCTAGAAGTCACACCACCTTTTCTGCTATTCT
CCCCCTCAGCATCTCCTGTGCAGACAGTAACCAAGTGTGAAGAATCCTCAGCAGATGTACCTCTACTTGGTGAA
GAAGAGCACGTTTTTGGGTACCATTTCCTCAGCCAGCATGGGGCTAGAACACAACCACAATGGAGTTATTCTTGT
GAACCTGAAGTAACAAGCACACCTCTGGAGGAAGTTGTTGATGACCTTTCCGAGAAGACTGAGGAGATAACTTCC
ACTGAAGGAGACCTGAAGGGGACAGCAGCCCCCTACACTTATATCTGAGCCTTATGAACCATCTCCTACTCTGCAC
ACATTAGACACAGTCTATGAAAAGCCCCACCCATGAAGAGACGGCAACAGAGGGTTGGTCTGCAGCAGATGTTGGA
TCGTCACCAGAGCCCACATCCAGTGAGTATGAGCCTCCATTGGATGCTGTCTCCTTGGCTGAGTCTGAGCCCATG
CAATACTTTGACCCAGATTTGGAGACTAAGTCACAACCAGATGAGGATAAGATGAAAGAAGACACCTTTGCACAC
CTTACTCCAACCCCCACCATCTGGGTAAATGACTCCAGTACATCACAGTTATTTGAGGATTCTACTATAGGGGAA
CCAGGTGTCCAGGCCAATCACATCTACAAGGACTGACAGACAACATCCACCTTGTGAAAAGTAGTCTAAGCACT
CAAGACACCTTACTGATTAAAAAGGGTATGAAAGAGATGTCTCAGACACTACAGGGAGGAAATATGCTAGAGGGA
GACCCACACACTCCAGAAGTTCTGAGAGTGAGGGCCAAGAGAGCAAATCCATCACTTTGCCTGACTCCACACTG
GGTATAATGAGCAGTATGTCTCCAGTTAAGAAGCCTGCGGAAACCACAGTTGGTACCCTCCTAGACAAAGACACC
ACAACAGCAACAACAACCAAGGCAAAAAGTTGCTCCGTATCCACCATGAGCACTCACCTTCTCGAAGGAGA
CCCAACGGGAGAAGGAGATTACGCCCCAACAAATCCGCCACCGGCACAAGCAAACCCACCCACAACCTTTTGCC
CCATCAGAGACTTTTTTCTACTCAACCAACTCAAGCACCTGACATTAAGATTTCAAGTCAAGTGGAGAGTTCTCTG

6633/6881
FIGURE 6123B

GTTCTACAGCTTGGGTGGATAACACAGTTAATACCCCCAAACAGTTGGAAATGGAGAAGAATGCAGAACCCACA
TCCAAGGGAACACCACGGAGAAAAACCGGGAAGAGGCCAAACAAACATCGATATACCCCTTCTACAGTGAGCTCA
AGAGCGTCCGGATCCAAGCCCAGCCCTTCTCCAGAAAATAAACATAGAAACATTGTTACTCCAGTTTCAGAAACT
ATACTTTTGCCTAGAAGTGTCTCTGAAAAGTGGGGCCCTTATGATTCTTTAGATTACATGACAACCACCAGA
AAAATATATTTCATCTTACCCTAAAGTCCAAGAGACACTTCAGTACATATAAACCCACATCAGATGGAAAAGAA
ATTAAGGATGATGTTGCCACAAATGTTGACAAACATAAAAGTGACATTTTAGTCACTGGTGAATCAATTACTAAT
GCCATACCAACTTCTCGCTCCTTGGTCTCCACTATGGGAGAATTTAAGGAAGAATCCTCTCCTGTAGGCTTTCCA
GGAAGTCCAACCTGGAATCCCTCAAGGACGGCCAGCCTGGGAGGCTACAGACAGGCATACCTGTTACCCTTCT
GGGAAAATCTTACAGACCCCTCCCTTCTTAAAGAGCTTGAGGATGTGGATTTTCACTTCCGAGTTTGTCTCT
TTGACAGTCTCCACACCATTTCACCAGGAAGAAGCTGGTCTTCCACAACCTCTCTCAAGCATAAAAGTGGAGGTG
GCTTCAAGTCAGGCAGAAACCACCACCCTTGATCAAGATCATCTTGAAACCACTGTGGCTATTCTCCTTTCTGAA
ACTAGACCACAGAATCACACCCCTACTGCTGCCCGGATGAAGGAGCCAGCATCCTCGTCCCCATCCACAATTCTC
ATGTCTTTGGGACAAACCACCACCCTAAGCCAGCACTTCCAGTCCAAGAATATCTCAAGCATCTAGAGATTCC
AAGGAAAATGTTTTCTTGAATTATGTGGGAATCCAGAAACAGAAGCAACCCAGTGAACAATGAAGGAACACAG
CATATGTCAGGGCCAAATGAATTATCAACACCCTCTTCCGACCAGGATGCATTTAACTTGTCTACAAAGCTGGAA
TTGAAAAGCAAGTATTTGGTAGTAGGAGTCTACCACGTGGCCAGATAGCCAACGCCAGGATGGAAGAGTTTCAT
GCTTCTCATCAACTAACAGAGTCCCTGCCAAACCCATCCTACCAACAGCAACAGTGAGGCTGCCTGAAATGTCC
ACACAAAGCGCTTCCAGATACTTTGTAACCTCCAGTCACTCTCGTCACTGGACCAACAAACCGGAAATAACTACA
TATCCTTCTGGGGCTTTGCCAGAGAACAAACAGTTTACAACCTCCAAGATTATCAAGTACAACAATTCTCTCCCA
TTGCACATGTCCAAACCCAGCATTCCTAGTAAGTTTACTGACCGAAGAACTGACCAATTCAATGGCTACTCCAAA
GTGTTTGGAAATAACAACATCCCTGAGGCAAGAAACCCAGTTGGAAAGCCTCCCAGTCCAAGAATTCCTCATTAT
TCCAATGGAAGACTCCCTTTCTTTACCAACAAGACTCTTTCTTTTCCACAGTTGGGAGTCACCCGGAGACCCAG
ATACCCACTTCTCCTGCCCCAGTAATGAGAGAGAGAAAAGTTATTCCAGGTTCTTACAACAGGATACATTCCCAT
AGCACCTTCCATCTGGACTTTGGCCCTCCGGCACCTCCGTTGTTGCACACTCCGCAGACCACGGGATCACCCCTCA
ACTAATTACAGAATATCCCTATGGTCTCTTCCACCCAGAGTTCTATCTCCTTTATAACATCTTCTGTCCAGTCC
TCAGGAAGCTTCCACCAGAGCAGCTCAAAGTTCTTTGCAGGAGGACCTCCTGCATCCAAATTCCTGGTCTCTTGGG
GAAAAGCCACAAATCCTCACCAAGTCCCCACAGACTGTGTCCGTACCCGCTGAGACAGACACTGTGTTCCCTGT
GAGGCAACAGGAAAACCAAAGCCTTTCGTACTTTGGACAAAGGTTTCCACAGGAGCTCTTATGACTCCGAATACC
AGGATACAACGGTTTGGAGTTCTCAAGAACGGTACCTTAGTGATACGGAAGGTTCAAGTACAAGATCGAGGCCAG
TATATGTGCACCGCCAGCAACCTGCACGGCCTGGACAGGATGGTGGTCTTGCTTTCCGGTCACCGTGCAGCAACCT
CAAATCCTAGCCTCCCACTACCAGGACGTCACTGTCTACCTGGGAGACACCAATTGCAATGGAGTGTCTGGCCAAA
GGGACCCAGCCCCCAAAATTCCTGGATCTTCCCTGACAGGAGGGTGTGGCAAACCTGTGTCCCCGTGGAGGGC
CGCATCACCTGACAGAAAACCGGACCCTTTCCATCAAGGAGGCGTCTTCTCAGACAGAGGCGTCTATAAGTGC
GTGGCCAGCAATGCAGCCGGGGCGGACAGCCTGGCCATCCGCCTGCACGTGGCGGCACTGCCCGCGTTATCCAC
CAGGAGAAGCTGGAGAACATCTCGTGCCTCCCGGGGCTCAGCATTACATTCACTGCACTGCCAAGGCTGCGCCC
CTGCCCAGCGTGCCTGGGTGCTCGGGGACGGTACCCAGATCCGCCCCCTCGCAGTTCCTCCACGGGAAGTTGTTT
GTTTTCCCCAACGGGACGCTCTACATCCGCAACCTCGCGCCCAAGGACAGCGGGCGCTATGAGTGCCTGGCCGCC
AACCTGGTAGGCTCCGCGCGCAGGACGGTGCAGCTGAACGTGCAGCGTGCAGCAGCCAACGCGCGCATCACGGGC
ACCTCCCCCGGGAGGACGGACGTACGGTACGGAGGAACCTCAAGCTGGACTGCAGCGCTCGGGGGACCCCTGG
CCGCGCATCCTCTGGAGGCTGCCGTCCAAGAGGATGATCGACGCGCTCTTCAGTTTGTATAGCAGAATCAAGGTG
TTTGCCAATGGGACCCTGGTGGTGAATCAGTGACGGACAAAGATGCCGGAGATTACCTGTGCGTAGCTCGAAAT
AAGGTTGGTGATGACTACGTGGTGTCAAAGTGGATGTGGTGATGAAACCGGCCAAGATTGAACACAAGGAGGAG
AACGACCACAAAGTCTTCTACGGGGGTGACCTGAAAGTGGACTGTGTGGCCACCGGGCTTCCCAATCCCGAGATC
TCCTGGAGCCTCCAGACGGGAGTCTGGTGAACCTCTTCATGCAGTCGGATGACAGCGGTGGACGCACCAAGCGC
TATGTCGTCTTCAACAATGGGACACTCTACTTTAACGAAGTGGGGATGAGGGAGGAAGGAGACTACACCTGCTTT
GCTGAAAATCAGGTGCGGAAGGACGAGATGAGAGTCAGAGTCAAGGTGGTGCAGCGCCCCGCCACCATCCGGAAC
AAGACTTACTTGGCGGTTTCAGGTGCCCTATGGAGACGTGGTCACTGTAGCCTGTGAGGGCCAAAGGAGAACCCATG
CCCAAGGTGACTTGGTTGTCCCCAACCAACAAGGTGATCCCCACCTCCTCTGAGAAGTATCAGATATACCAAGAT

6634/6881
FIGURE 6123C

GGCACTCTCCTTATTTCAGAAAGCCCAGCGTTCTGACAGCGGCAACTACACCTGCTTGSTCAGGAACAGCGCGGGA
GAGGATAGGAAGACGGTGTGGATTACGTCAACGTCCAGCCACCCAAGATCAACGGTAACCCCAACCCCATCACC
ACTGTGCGGGAGATAGCAGCCGGGGCAGTCGAAACTGATTGACTGCAAAGCTGAAGGCATCCCCACCCGAGG
GTGTTATGGGCTTTTCCCGAGGGTGTGGTTCTGCCAGCTCCATACTATGGAAACCGGATCACTGTCCATGGCAAC
GGTTCCTTGGACATCAGGAGTTTGAGGAAGAGCGACTCCGTCCAGCTGGTATGCATGGCAGCAACGAGGGAGGG
GAGGCCAGGTTGATCCTGCAGCTCACTGTCTGGAGCCCATGGAGAAACCCATCTTCCAGACCCGATCAGCGAG
AAGATCACGGCCATGGCGGGCCACACCATCAGCCTCAACTGCTCTGCCGCGGGGACCCCGACACCCAGCCTGGTG
TGGGTCCTTCCCAATGGCACCAGTCTGCAGAGTGGACAGCAGCTGCAGCGCTTCTACCACAAGGCTGACGGCATG
CTACACATTAGCGGTCTCTCCTCGGTGGACGCGGGGCTACCGCTGCGTGGCCCGCAATGCCGCTGGCCACAG
GAGAGGCTGGTCTCCCTGAAGGTGGGACTGAAGCCAGAAGCAAACAAGCAGTATCATAACCTGGTCAGCATCATC
AATGGTGAGACCTGAAGCTCCCTGCACCCCTCCCGGGCTGGGCAGGGACGTTTCTCTGGACGCTCCCCAAT
GGCATGCATCTGGAGGGCCCCAAACCCCTGGGACGCGTTTCTCTTCTGGACAATGGCACCCCTACGGTTTCGTGAG
GCCTCGGTGTTTGACAGGGGTACCTATGTATGCAGGATGGAGACGGAGTACGGCCCTTCGGTACCAGCATCCCC
GTGATTGTGATCGCTATCCTCCCCGGATCACCAGCGAGCCACCCCGTCTATCTACACCCGGCCCCGGAACACC
GTGAAACTGAACTGCATGGCTATGGGGATTCCCAAAGCTGCATCACGTGGGAGTTACCGGATAAGTCGCATCTG
AAGGCAGGGGTTTACGGCTCGTCTGTATGGAAACAGATTTCTTCACCCCCAGGGATCACTGACCATCCAGCATGCC
ACACAGAGAGATGCCGGCTTCTACAAGTGCATGGCAAAAAACATTCTCGGCAGTGAATCCAAAACAACCTTACATC
CACGTCTTCTGAAATGTGGATTCCAGAATGATTGCTTAGGAAGTGAACAACAAGCGGGGTTTGTAAAGGAAGCCA
GGTTGGGGAAATAGGAGCTCTTAAATAATGTGTACAGTGCATGGTGGCTCTGGTGGGTTTCAAGTTGAGGTTGA
TCTTGATCTACAATTGTTGGGAAAAGGAAGCAATGCAGACACGAGAAGGAGGGCTCAGCCTTGCTGAGACACTTT
CTTTGTGTTTACATCATGCCAGGGGCTTCATTCAGGGTGTCTGTGCTCTGACTGCAATTTTTCTTTTTTGCA
ATGCCACTCGACTGCCTTCATAAGCGTCCATAGGATATCTGAGGAACATTCATCAAAAATAAGCCATAGACATGA
ACAACACCTCACTACCCCATTTGAAGACGCATCACCTAGTTAACCTGCTGCAGTTTTTACATGATAGACTTTGTT
CAGATTGACAAGTCATCTTTCAGTTATTTCTCTGTCACTTCAAACTCCAGCTTGCCCAATAAGGATTTAGAAC
CAGAGTGAATGATATATATATATATATTTAATTACAGGTTACATACATACAGCTACCATTTTATATGAAAAAGAA
AAACATTTCTTCTGGAACCTCACTTTTTATATAATGTTTTATATATATATTTTTCTTTCAAATCAGACGATGA
GACTAGAAGGAGAAATACTTTCTGTCTTATTTAAATTAATAAATTATTGGTCTTTACAAGACTTGGATACATTAC
AGCAGACATGGAAATATAATTTTAAAAAATTTCTCTCCAACCTCCTTCAAATTCAGTCACCACTGTTATATTACC
TTCTCCAGGAACCTCCAGTGGGGAAGGCTGCGATATTAGATTTCTTGTATGCAAAGTTTTTGTGAAAGCTGT
GCTCAGAGGAGGTGAGAGGAGAGGAAGGAGAAAACTGCATCATAACTTTACAGAATTGAATCTAGAGTCTTCCCC
GAAAAGCCAGAACTTCTCTGCAGTATCTGGCTTGTCCATCTGGTCTAAGGTGGCTGCTTCTTCCCCAGCCATG
AGTCAGTTTGTGCCCATGAATAATACACGACCTGTTATTTCCATGACTGCTTTACTGTATTTTAAAGGTCAATAT
ACTGTACATTTGATAATAAAATAATTTCTCCC

6635/6881
FIGURE 6124

GGCACGAGGGGAGGCCGGGGCGGGGCGGGCGCAGCCGGCGCTGAGCTTGCAGGGCCGCTCCCCTCACCCGCCCC
TTCGAGTCCCCGGGCTTCGCCCCACCCGGCCCGTGGGGGAGTATCTGTCTGCCGCCTTCGCCCACGCCCTGCAC
TCCGGGACCGTCCCTGCGCGCTCTGGGCGCACCATGCCCCGCGGGGCTGCGCTGGCGCTGCTGCTCTTCGGCCTG
CTGGGTGTTCTGGTCGCCGCCCCGGATGGTGGTTCGATTTATCCGATGCCCTTCCTGACAATGAAAACAAGAAA
CCCCTGCAATCCCCAAGAAACCCAGTGCTGGGGATGACTTTGACTTAGGAGATGCTGTTGTTGATGGAGAAAAT
GACGACCCACGACCACCGAACCCACCCAAACCGATGCCAAATCCAAACCCCAACCACCCTAGTTCTCCGGTAGC
TTTTCAGATGCTGACCTTGCGGATGGCGTTTCAGGTGGAGAAGGAAAAGGAGGCAGTGATGGTGGAGGCAGCCAC
AGGAAAGAAGGGGAAGAGGCCGACGCCCCAGGCGTGATCCCCGGGATTGTGGGGGCTGTCGTGGTCGCCGTGGCT
GGAGCCATCTCTAGCTTCATTGCTTACCAGAAAAAGAAGCTATGCTTCAAAGAAAATGCAGAACAAGGGGAGGTG
GACATGGAGAGCCACCGGAATGCCAACGCAGAGCCAGCTGTTGAGCGTACTCTTTTAGAGAAATTAGAAGATTGTC
GGCAGAAACAGCCCAGGCGTTGGCAGCAGGGTTAGAACAGCTGCCTGAGGCTCCTCCCTGAAGGACACCTGCCTG
AGAGCAGAGATGGAGGCCTTCTGTTACGGCGGATTCTTTGTTTTAATCTTGCGATGTGCTTTGCTTGTTGCTGG
GCGGATGATGTTTACTAACGATGAATTTTACATCCAAAGGGGGATAGGCACCTGGACCCCCATTCTCCAAGGCCC
GGGGGGGCGGTTTCCCATGGGATGTGAAAGGCTGGCCATTATTAAGTCCCTGTAACCTCAAATGTCAACCCACCG
AGGCACCCCCCGTCCCCCAGAATCTTGGCTGTTTACAAATCACGTGTCCATCGAGCACGTCTGAAACCCCTGGT
AGCCCCGACTTCTTTTAAATTAATAAGGTAAGCCCTTCAATTTGTTTCTTCAATATTTCTTTTCAATTTGTAGGG
ATATTTGTTTTTCATATCAGACTAATAAAAAAGAAATTAGAAACCAAAAAAAAAAAAAAAAAAAAAA

6636/6881

FIGURE 6125

MARGAALALLLFGLLGVLVAAPDGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDAVVDGENDDPRPPNPPKP
MPNPNPNHPSSSGSFSDADLADGVSGGEGKGGSDGGGSHRKEGEEADAPGVIPGIVGAVVVAVAGAISSFIAYQK
KKLCFKENAEQGEVDMESHNRNANAEPVQRTLLEK

6637/6881
FIGURE 6126

CGGGGCGGCGGCGGCGGCGTGAAGTCACTGCTGCTCTGGGTTGCGGTTGGCGACTGAAGGCGGTACCGGCCTCCC
GGAACAGCCCGGGGAGGGCTTAGGTGCAGAAGGGCAGGCTGGCCGCGGCCGTTTGGTCTGGGGACCACGGGCT
GGAGCAGGTGGAATTTAAATTTGTTTACAGTCAACACTGTTTCCAGCCATGGGTTTGTCTCCATCTGCTCCTGC
TGTTGCAGTTCAGGCCTCAAATGCTTCAGCGTCCCCACCTTCAGGATGCCCCGATGCATGAAGGGAAAATGAAAGG
CTGTCCAGTGAATACAGAGCCATCTGGCCCAACCTGTGAGAAGAAAACATACTCTGTGCCTGCCCACCAGGAACG
CGCCTATGAGTACGTGGAGTGTCCCATTAGGGGCACTGCGGCTGAGAATAAGGAGAACCTAGATCCTTCAAATCT
GATGCCACCACCAAATCAAACACCAGCTCCAGATCAGCCATTTGCATTGTCTACTGTCAGAGAAGAGTCATCCAT
TCCGAGAGCAGATTCAGAGAAAAAGTGGGTTTACCCTTCTGAGCAGATGTTCTGGAATGCAATGTTAAAGAAAGG
GTGGAAGTGGAAGGATGAGGATATCAGTCAGAAGGATATGTATAATATCATTAGAATTCACAATCAGAATAACGA
GCAGGCTTGGAAGGAGATTTTGAAGTGGGAAGCCCTTCATGCTGCAGAGTGTCTTGTGGTCCATCATTGATCCG
GTTTGGAGGGAAAGCAAAAGAGTATTACCAAGGGCACGAATTCGTTTCTGGATGGGGTATGAGTTGCCTTTTGA
TAGGCACGATTGGATCATAAACCGTTGCGGGACAGAAGTTAGATATGTGATTGATTATTATGATGGTGGTGAAGT
CAACAAGGACTACCAGTTTACCATCCTGGACGTCCGTCCCTGCTTAGATTCACTTTCGGCAGTATGGGACAGAAT
GAAAGTCGCTTGGTGGCGTTGGACCTCGTTAAAGCACTGTTTCAGATGGAAAAATATAAACTATTTTTTTCTGAGC
GATACATTAAACTATTTTCCCCAGAAAAA

6638/6881
FIGURE 6127

MGLSPSAPAVAVQASNASASPPSGCPMHEGKMKGCPVNTEPSGPTCEKKTYSVPAHQERAYEYVECPIRGTAAEN
KENLDPSNLMPPPNQTPAPDQPFALSTVREESSIPRADSEKKWVYPSEQMFWNAMLKKGWKKWDEDISQKDMYNI
IRIHNQNNQAWKEILKWEALHAAECPCGPSLIRFGGKAKEYSPRARIRSWMGYELPFDRHDWIINRCGTEVRYV
IDYYDGGEVNKDYQFTILDVRPALDSL SAVWDRMKVAWWRWTS

6639/6881
FIGURE 6128

GAGATCTGATGGTTTTATAAAGAGGAGTTCCCCTGCACAAGCTCCCTCTCTTGCCTGCCACCATGTAAGAAGTCC
CTTTGGTCTTCCTTTGTCTTCTGCCGTGATTGTGAGGCCTCCCCAGCCATGTGGAAC TTATAAAATAATAAGATG
GCTGATCCTGCAAAGAGGCGCGGTGACATCAACAGTGACTCAGTCTCTATGATGGTATTAGTAACTGGCAGCTGA
CTCTCCTATTTATCATCAAGTTATGTTCCAAATAAGACTTTCAAGTCTGAGAAAAATGACAAATCCCTTCCAGGC
ATGGTTCAAGTTAAAGCTGAAACTGTGTCTTCGTTTCAGCTCAAGAGAGGTTTTGATTGTGTCTGTGGCTTTTCCT
TGTGTATTGGTTGAGGAACTGTGCCTTGGAGGGGCGGGGAGTCTTGAGAAATGGGTCAACTGATGGAGGGGGAGTG
GAAGACATTGGTTGCCCAAGAAAATATGTCAACATCTGTCCATCACTGCAACTCCGGCCTGATTATCATTTTTTC
TGCTTCTGTAAGCACCAATGAGACAATGCCACTGAACCACATTCTTTGTTGCCTGCAGTATTTCCCACCACTGCG
CCACCTCTGATATGCTAATGAGGAAGCCCAGGGTTTTGTGTGGCTGAAAAGCCTTTCAGGCACAATCAGTGGGTC
AACAATCTCAACTCTGTACAGCGGCTCAGCCTGCTCTGTGAGAGGCTCCTCTTTCGGAGGGGTCCTTCCTCACAC
CTTTTCTGTGAGTGCGTCTGTGCTTAAGGAAGGGCAATTAACCATCTGGCTGCTTGTCCCCTGGAGAAATTGACA
GAACATCAAACAGAATAAACTCATACCTTGAAAAGTGCCAAGTGGCACATGACTGTCCGGTTCACTGTGGGGA

6640/6881

FIGURE 6129

MFQIRLSSLRKMTNPFQAWFKLKLKLCRFSSREVLIVSWLFLVYWLRNCALEGRGVLRMGQLMEGEWKTLVAQE
NMSTSVHHCNSGLIIIFSASVSTNETMPLNHILCCLQYFPPLRHL

6641/6881
FIGURE 6130

CGGACATCTCCCTGGGAGTCGCGCAGAGTGGAGTCAAAGGCAACCAGTGCTCGCTGCGGTCTCTGGGGATCGGGA
CCGCGGCGGGCGGCCGCGAGCGGGATGTTCCGGGGCTTGAGCAGTTGGTTGGGCTTGCAGCAGCCGGTGGCAGGC
GGTGGGCAGCCCAATGGAGATGCTCCACCCGAGCAGCCGTCCGAGACGGTGGCTGAGTCTGCGGAGGAGGAGCTG
CAGCAAGCGGGAGACCAGGAGCTCCTCCACCAGGCCAAAGACTTCGGCAACTATTTATTTAACTTTGCATCTGCT
GCCACAAAAAGATAACTGAATCAGTTGCTGAAACAGCACAAACAATAAAGAAATCCGTAGAAGAAGGAAAAATA
GATGGCATCATTGACAAGACAATTATAGGAGATTTTCAGAAGGAACAGAAAAAATTTGTTGAAGAGCAACATACA
AAGAAGTCAGAAGCAGCTGTGCCCCATGGGTTGACACTAACGATGAAGAAACAATTCAACAACAAATTTTGGCC
TTATCAGCTGACAAGAGGAATTTCTTCGTGACCCTCCGGCTGGCGTGCAATTTAATTTGCACTTTGATCAGATG
TACCCCGTGGCCCTGGTCATGCTCCAGGAGGATGAGCTGCTAAGCAAGATGAGATTTGCCCTCGTTCTAAACTT
GTGAAGGAAGAAGTGTCTGGAGGAACTACTTTTACCGCTCTCCCTGATTAAGCAGTCAGCCCAGCTCACGGCC
CTGGCTGCCCCAACAGCAGGCCGCGAGGGAAGGAGGAGAAGAGCAATGGCAGAGAGCAAGATTTGCCGCTGGCAGAG
GCAGTACGGCCCCAAAACGCCACCCGTTGTAATCAAATCTCAGCTTAAAACTCAAGAGGATGAGGAAGAAATTTCT
ACTAGCCCAGGTGTTTCTGAGTTTGTGAGTGATGCCTTCGATGCCTGTAACCTAAATCAGGAAGATCTAAGGAAA
GAAATGGAGCAACTAGTGCTTGACAAAAAGCAAGAGGAGACAGCCGTACTGGAAGAGGATTCTGCAGATTGGGAA
AAAGAACTGCAGCAGGAACCTCAAGAATATGAAGTGGTGACAGAATCTGAAAAACGAGATGAAAACCTGGGATAAG
GAAATAGAGAAAATGCTTCAAGAGGAAAATTAGCTGTTCTGAAATAGAAGAATAATCCTTAACAGTCTGCAAC
TGACATTAAATTTCTAGATGTTGACAATTACTGAATCAGAAGGCATGAAAGAGTATAATTTTATGAAATTCAAAT
TATTTCTTTTTCAAGTTGAAACTTGCCCTTTCTACTTTAAAAAAGTATATAGAACAGTTACTTCTAATAATCAGA
AAGAGATGTTTTATAGAACATTTCTTTAATATAAAGTTAGAGATGTCTTCATAGGCAGTATGGCTATCTTTGCCA
CAGAAACATAAGTAAATTTTAGAGTTCTGTTTTCCATGAGGTCAAAAATATAATTTATTCCTCAGTCATGGTTT
TCTAAATATCTGTACTCCACATTCCATTTTAATTGATATGAGGGTGTTAAAGTACCTACTTAATGGGTTGATTAC
TATCAAAATGACCAAATTATACCAAAGAACTTAAGAGGAAGCACTTTCAGAACTATTCATTGCCAGGTATTTTC
TAAATTTCCACCTGAAAGCCAAAAGATAAAATAAATAAGTTGATTTTAATGATATAAGCATCACACAATTTTACA
TTAAGAAATACTGTGCAGGCCATGCGTGGTGGCTCAGGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGCA
GATCACCGGAGGTCAGGAGTTCGAGACCAGCCTTGCCAACATAGTGAAACCCTGTCTCTACTAAAAATACAAAA
TTAGCCGGGCATGGTGGCAGGCACCTGTAATCCCAGCTACTAGGGAGGCTTTTGAACCCAGGAGGCAGAGGTTGC
AGCGAGCTGAGATCGCGCCACTGCACTCCAGCCTGGGTGATAGAGTGAGATTCAGTCTC

6642/6881

FIGURE 6131

ATGGAGAAAAACAAAACAAGAAGAAAGTGGAGGAGGTGCTAGAAGAGGAGGAACAGGAATATGTGGTGGAAAAA
GTTCTCTACCGTCGATTGCCCCGCCCCCATATCCCCCTCCTTCTGCCAACTTTATCACTTAAGACAGACTGCCTG
GGTCACCCTGTTTATGACAATAGAAGAATAAGGAAAGAACACTCTTCCCCCTGCTCAAATCCTCCAATGTACCTGC
CGTACCCACGGECATGACAGACGGCACTGCTCGTTCCCATGCTCTGCTGCAAAGGTGGGCCTGGCAGCCTTGTGT
GGGCACCATGACCCACCTCACACCTGGCGTCACCTGAGTGGGAGAAAGGAGAGCCAACCCAAGGAGAAGAAAGAA
GGGTCGGAAGAGCCCCGAGGCTTTGTTTCAGGTTTGAAGCCGGAACCAGATTATTGGAGCTACAGACCTCCAGTG
GGAGAGCTCATGTTTCCTGATGAAAGGGAAAAATTTTGATGAGGCTGACCTCGTCCCTGCCAAGGAAGTCAATGTC
AAATGCCACGCGTGTGTCATATCCTTCTATGAGGAAAGGCTGACGTGGCATTCTACCCCAAAGAGGATGATGAC
AAGAATTAA

6643/6881

FIGURE 6132

TGTTTGAAGATACTGTGGAGGAGCGTGTCATCAATGAAGAATATAAAATCTGGAAGAAGAATACACCGTTTCTAT
ATGACCTGGTTATGACCCATGCTCTTCAGTGGCCAGTCTTACCGTTCAGTGGCTTCCTGAAGTGACTAAACCTG
AAGGAAAAGATTATGCCCTTCATTGGCTAGTGCTGGGGACTCATACGTCTGATGAGCAGAATCATCTGGTGGTTG
CTCGAGTACATATTCCCAATGATGATGCACAGTTTGTATGCTTCCCATTGTGACAGTGACAAGGGTGAATTTGGTG
GCTTTGGTTCTGTAACAGGAAAAATTGAATGTGAAATTAATAATCAATCACGAAGGAGAAGTAAACCGTGCTCGTT
ACATGCCGCAGAATCCTCACATCATTGCTACAAAAACACCATCTTCTGATGTGTTGGTTTTTGAATAACAAAAC
ACCCTGCTAAACCAGACCCAAGTGGAGAATGTAATCCTGATCTCAGATTAAGAGGTCACCAGAAGGAAGGCTATG
GTCTCTCCTGGAATTCAAATTTGAGTGGACATCTCCTAAGTGCATCTGATGACCATACTGTTTGTCTGTGGGATA
TAAACGCAGGACCAAAAGAAGGCAAAATTGTGGATGCTAAAGCCATCTTTACTGGCCACTCAGCTGTTGTAGAGG
ATGTGGCCTGGCACCTGCTGCACGAGTCATTGTTTGGATCTGTTGCTGATGATCAGAACTTATGATATGGGACA
CCAGGTCCAATACCACCTCCAAGCCGAGTCACTTGGTGGATGCGCACACTGCCGAAGTCAACTGCCTCTCATTCA
ATCCCTACAGCGAATTTATTCTAGCCACCGGTCTGCGGATAAGACCGTAGCTTTATGGGATCTGCGTAACTTAAA
ATTAAACTCCATACCTTCGAATCTCATAAAGATGAAATTTTCCAGGTCCACTGGTCTCCACATAATGAACTAT
TCTGGCTTCAAGTGGTACTGACCGCCGCTGAATGTGTGGGATTTAAGTAAAATTGGGGAAGAACAATCAGCAGA
AGATGCAGAAGATGGGCCTCCAGAACTCCTGTTTATTTCATGGAGGACACACTGCTAAGATTTTCAATTTTAGCTG
GAACCCCAATGAGCCTTGGGTCAATTTGCTCAGTGTCTGAGGATAACATCATGCAGATATGGCAAATGGCTGAAAA
TATTTACAATGATGAAGAGTCAGATGTCACGACATCCGAACCTGGAGGGACAAGGATCTTAAACCCAAAGTACGAG
AAATGTTTCTGTTGAATGTAATGCTACATGAATGCTTGATTATCAAGCGCCAAAAAGGCATTGTATAGTAGGAA
ATGTAAGTGGGGTGGCTTATGGCTTCTTTATCCTCTGATTCTAGCACTTTCAAGTGAGCTGTTGCGTACTGTATC
ATATTGTAGCTATTAGGGAAGAGAAGAATGTTGCTTAAGAAAGAACATCACCATTGATTTTAAATACAAGTAGCA
GGGTATTGCCTTTGATTCAACTGTTTTAAGTCCTCATTTTCTCAAACCTAAGTGCTTGCTGTTCCCAAATATGCAA
GAATAACTTTTACACTTTTTCTTCCAACACTTCTTGATTGGCTTTCAGAAATAAAGTTTTTAAAT

6644/6881

FIGURE 6133

MTHALQWPSTLVQWLPEVTKPEGKDYALHWLVLGTHTSDEQNHLVVARVHIPNDDAQFDASHCDSDKGEFGGFGS
VTGKIECEIKINHEGEVNRARYMPQNPHEIATKTPSSDVLVFDYTKHPAKPDPSGECNPDLRLRGHQKEGYGLSW
NSNLSGHLLSASDDHTVCLWDINAGPKEGKIVDAKAIFTGHSVVEDVAWHLLHESLFGSVADDQKLMIWDTRSN
TTSKPShLVDAHTAEVNCLSFNPYSEFILATGLRIRP

6645/6881
FIGURE 6134

ATCACTGGTCTCGCGTGCGCGTGACCAGGCCCGGTTTTCCGGTGCCAGGACCTTTCCGAAGCGTCGAGTGGCCTAA
CGGTCACAGCTGTCGCCCATCGGAGAGGCAGGACTACTGCGAGCAGTTTTTACCGCGACCTCCGGAGGCCGGCGTG
ACAGGCTCTGTCACTAAAATAGGAACCGAATATTGTATCTGACGCATCCTGTAATACTGAAGAGCAACTGAAGAC
AGTTGATGATGTCCTTATTCATTGCCAGGTTATATATGATGCTCTGCAAAACCTGGATAAGAAGATTGATGTGAT
TCGTAGAAAGGTTTTCAAAAATCCAACGTTTCCATGCGAGATCCCTGTGGACAAATCATAAGCGATATGGATATAA
AAAGCATTCTTACCGGCTTGTTAAAAAGCTTAAACTCCAGAAAATGAAGAAAAATGAGGTTTACGAGACATTCTC
CTACCCTGAAAGTTACAGCCCCACTTTACCAGTGTCAAGGCGTGAGAATAATTCCCCGAGCAACCTTCCAAGGCC
ATCCTTTTGCATGGAAGAATACCAGCGAGCTGAGCTGGAGGAGGACCCGATCCTCAGCCGCACTCCGAGTCCAGT
GCATCCCTCAGATTTCTCTGAGCATAATTGTGAGCCGTATTATGCATCTGATGGTGCAACGTATGGTTCTTCTTC
AGGGCTCTGCCTTGGCAACCCTCGGGCTGACAGCATCCACAACACTTACTCAACTGACCATGCTTCTGCAGCACC
ACCTTCAGTTACAAGGTCACAGTTGAAAATGACGGTTACATAGAGGAAGGAAGCATCACTAAGCACCCTTCAAC
CTGGTCGGTGGAAGCAGTGGTCTTATTTCTAAAAACAAACAGATCCTCTTGCAATTATGCCCTCTTGTCGACCTCTT
CAGAAGCCATGAAATTGACGGGAAGGCTCTGCTCCTACTCACGAGTGACGTGTTGCTGAAGCACTTGGGGGTGAA
GCTGGGAACGGCTGTGAAGCTATGCTACTACATTGACCGACTTAAACAAGGAAAATGCTTTGAAAATTGAAAAAA
TCCTTGTCGAAATTTAGATTGGGCCAATTCTAGAGGCACCAATGCCCTTCTTAGTGTTGAATCATTTTTCTGCCC
TTTAGTCGTTTTTTGTTTTGTAGAAAGTATCTCTCAAAATATATTATAGCTAGAATTGTAGAACTATGTTATAGTC
CAGTCTACTTCTTTAAAAACCATTTAAACTGCTAGATAGTATTAGAATAGTCCAATAGAAAATTCATTCTTTATA
GGTCTTTAAAAATTACTTTTATTATATTGTTTACAAATATATTTTCATGCAAGAAACAGAAAAAACCCT
TTGATTCTGGTTTCATCTCGATACAGAGAACCAAAACAGCTAAGAGAGGTATTATCAGGGTTGACAACCTCCTATGA
TTGAATCTATGGGAATTATTCCTCAGAAGAGAATTTAAAGGTGTACCCATATATATCTCTTCTGGAGTATTTTA
TCTGTCTGATGTTGCAGTATTCTACAAGTTTCCAGAAAGAGAATAGCCATATAAATTATTTTCTCTTCTGCTATT
ATTTCTCTATATGTTTTATTATTAGATTAGAGTAAAAAATAAGCATATAAACTTTTATTATGTGCTCTTAAC
AGTTTTAAGATAAACTATAGGATAGATAGAATGGTTATTTATGCAAGAAATATTGTACCGCAAGGGTGGTTTG
ATGAAGTCTGACTACTTTTTTTCAAACAACTATTATATTAACCTGTCATATTTTGGCTAAGTTTGGACCTATA
ACTACACTTTTCATTGTTTGCATCTCTCTATGAAGATACGTCTGTCCAACTTTTAAAGGCATAACTGTATTTA
TGTGTTTTATTCTTTATATAGATAGTATTTTATATTTTATTCTCACCCGAAGTATTCACACAATCTTTTTAAAAA
AATTTGAAATGGCATTTTGTATTGCCACAGAGGTAGGATGAGCCATATATTAGTGAAATGTTTTATTTTGTA
TATAAATGGATTATTTGCCATCATTAGTACCTCTCAACTTACTTTTTAGAGGACAAGAAACAATCTGTAGATTGG
TTTCATACAGGGAAGTTCTCCGTCCTATGCAATGTTTCTAATTAATTTGCTTAATTCTGAGCCATTAATCCTGC
TACACTTTGAATGATACATTAATTCAGACTAATCTTTGGGGGCTTTATTTTGTAAGTTAGAACTTTCAAGGGAAA
CATGTTCAACACTATTATTTTGTATATAAATTTATAACTTTGTTATTACATTGTGTAAACAAATATAAGGTTTACGA
GCTATGAGAATTGGTGCTATCACCATTAGCTATTTGCTGTAATGTCAAGAAAATGTTTACCAGATGCAAGAATGT
ACCTTTTCTTTTGTAGAAAGCCAAATGTACTTTAGACATGAATGCAACTATTTAAAGAATAGCTTCATCAATGTTA
TTCCTTACATGTCATAAGATTCTTACTTAAACTTGGTCTTCTTTCAAATTGTTTGTATGAAGATGCTGTACCCAC
TTGAACAGTCCTCAGGTGTTTACATAAAATACTATGTTTTACAGTTTTCATATTTTAAATATTAATAAGTTAA
TCACAATAGT

6646/6881
FIGURE 6135

MKKNEVYETFSYPESYSPTLPVSRRENNSPSNLPRPSFCMEEYQRAELEEDPILSRTPSPVHP SDFSEHNCQPY Y
ASDGATYGSSSGLCLGNPRADSIHNTYSTDHAS AAPP SVTRSPVENDGYIEEGSITKHPSTWSVEAVVLFLKQTD
PLALCPLVDLFRSHEIDGKALLLLTSDVLLKHLGVKLGTA VKLCYYIDRLKQGKCFEN

6647/6881

FIGURE 6136

ATGAGCGAGTCGATCTCGAAGTCCAGCCAGCCCTTGGCCTCCAAGCAGGAAAAGGATGGCACTGAGAAGCGGAGC
TGGGGCAGGCCGCGCAAGCAGCCTCTGGTGAGTCCCAGGACAGCGCTGGGAGGGAGTCAGAAGGAGCCCAGTGAA
GTGCCAAAACCTAAGAGACCTCAGGGCCGACCAAATGGAAGGAAAAACAAGGACGCTGCCAAGACCTGGAAAACC
ACCACAACCTCCAGGAAGGAAACCAAGGGGCAGACCCAAAAAACTGGAGAAGGAGGAAGAGGAGGGCATCTCACAG
GAGTCCTCGGAGGAGGAGCAATTGA

6648/6881
FIGURE 6137

MSESISKSSQPLASKQEKDGTEKRSWGRPRKQPLVSPRTALGGSQKEPSEVPKPKRPQGRPNRKNKDAAKTWKT
TTTPGRKPRGRPKKLEKEEEEGLSQESSEEEQ

6649/6881
FIGURE 6138

ACTGAGGCGTGGCGTCTGCTGGGGCACCTGAAGGAGACTTGGGGGCACCCGCGTCTGCTCCTGGGTGTGAGG
AGTCGCCGCTGCCGCCACTGCCTGTGCTTCATGAGGAAGATGCTCGCCGCCGTCTCCCGCGTGTGTCTGGCGCT
TCTCAGAAGCCGGCAAGCAGAGTGCTGGTAGCATCCCGTAATTTTGCAAATGATGCTACATTTGAAATTAAGAAA
TGTGACCTTCACCGGCTGGAAGAAGGCCCTCTGTGCACAACAGTGCTCACCAGGGAGGATGGGCTCAAATACTAC
AGGATGATGCAGACTGTACGCCGAATGGAGTTGAAAGCAGATCAGCTGTATAAACAGAAAAATTATTCGTGGTTTC
TGTCACTTGTGTGATGGTCAGGAAGCTTGCTGTGTGGGCCTGGAGGCCGGCATCAACCCACAGACCATCTCATC
ACAGCCTACCGGGCTCACGGCTTTACTTTACCCGGGGCCTTTCCGTCCGAGAAATTCTCGCAGAGCTTACAGGA
CGAAAAGGAGGTTGTGCTAAAGGGAAAGGAGGATCGATGCACATGTATGCCAAGAACTTCTACGGGGGCAATGGC
ATCGTGGGAGCGCAGGTGCCCCCTGGGCGCTGGGATTGCTCTAGCCTGTAAGTATAATGGAAAAGATGAGGTCTGC
CTGACTTTATATGGCGATGGTGCTGCTAACCAGGGCCAGATATTCGAAGCTTACAACATGGCAGCTTTGTGGAAA
TTACCTTGTATTTTCATCTGTGAGAATAATCGCTATGGAATGGGAACGTCTGTTGAGAGAGCGGCAGCCAGCACT
GATTACTACAAGAGAGGCGATTTCAATTCCTGGGCTGAGAGTGGAATGGATATCCTGTGCGTCCGAGAGGCA
ACAAGGTTTGCTGCTGCCTATTGTAGATCTGGGAAGGGGCCATCCTGATGGAGCTGCAGACTTACCGTTACCAC
GGACACAGTATGAGTGACCCTGGAGTCAGTTACCGTACACGAGAAGAAATTCAGGAAGTAAGAAGTAAGAGTGAC
CCTATTATGCTTCTCAAGGACAGGATGGTGAACAGCAATCTTGCCAGTGTGGAAGAACTAAAGGAAATTGATGTG
GAAGTGAGGAAGGAGATTGAGGATGCTGCCCAGTTTGCCACGGCCGATCCTGAGCCACCTTTGGAAGAGCTGGGC
TACCACATCTACTCCAGCGACCCACCTTTTGAAGTTCGTGGTGCCAATCAGTGGATCAAGTTTAAGTCAGTCAGT
TAAGGGGAGGAGAAGGAGAGGTTATACCTTCAGGGGGCTACCAGACAGTGTTCTCAACTTGGTAAAGGAGGAAGA
AAACCCAGTCAATGAAATTCAATGAAATTCTTGGAACCTTCATTAAAGTGTGTAGATTGAGCAGGTAGTAATTGC
ATGCAGTTTGTACATTAGTGCATTAAAAGATGAATTATTGAGTGCTT

6650/6881
FIGURE 6139

MRKMLAAVSRVLSGASQKPASRVLVASRNFANDATFEIKKCDLHRLEEGPPVTTVLTREDGLKYYRMMQTVRRME
LKADQLYKQKIIRGFCHLCDGQEACCVGLEAGINPTDHLITAYRAHGFTFTRGLSVREILAEITGRKGGCAKGKG
GSMHMYAKNFYGGNGIVGAQVPLGAGIALACKYNGKDEVCLTLYGDGAANQGQIFEAYNMAALWKLPCIFICENN
RYGMGTSVERAAASTDYYKRGDFIPGLRVDGMDILCVREATRFAAAYCRSGKGPILMELQTYRYHGHSMSDPGVS
YRTREEIQEVRSKSDPIMLLKDRMVNSNLASVEELKEIDVEVRKEIEDAAQFATADPEPPLEELGYHIYSSDPPF
EVRGANQWIKFKSVS

6651/6881
FIGURE 6140

GGGCGCAGCACACTCCCAGCCGGCCGCAGCCTGACACGCCGCGCGGCCCCCCAGTCTCCC GCGGCTGCTCCCCCA
GGCATGGCACAGGGCCTCGCCTCACTATGGCAGCAGCACGGCACAGCACGCTCGACTTCATGCTCGGCGCCAAAG
CTGATGGTGAGACCATTCTAAAAGGCCTCCAGTCCATTTTCCAGGAGCAGGGGATGGCGGAGTCGGTGACACCT
GGCAGGACCATGGCTATTTAGCAACCTACACAAACAAGAACGGCAGCTTTGCCAATTTGAGAATTTACCCACATG
GATTGGTGTGCTGGACCTTCAGAGTTATGATGGTGATGCGCAAGGCAAAGAAGAGATCGACAGTATTTTGAACA
AAGTAGAGGAAAGAATGAAAGAATTGAGTCAGGACAGTACTGGGCGGGTGAAACGATTACCACCCATAGTGCGAG
GAGGAGCCATCGACAGATACTGGCCACCGCCGACGGGCGCCTGGTTGAATATGACATAGATGAAGTGGTATATG
ACGAAGATTACCTTATCAAAATATAAAAATTCTACACTCGAAGCAGTTTGGAATATTCTCATCCTTAGTGGGG
ATGTTAATTTGGCAGAGAGTGATTTGGCATATACCCGGGCCATCATGGGCAGTGGCAAAGAAGATTACACTGGCA
AAGATGTACTCATTCTGGGAGGTGGAGACGGAGGCATATTGTGTGAAATAGTCAAATAAAACCAAAGATGGTCA
CTATGGTAGAGATTGACCAAATGGTGATTGATGGGTGTAAGAAATACATGCGAAAAACGTGTGGCGATGTCTTAG
ACAATCTTAAAGGAGACTGCTATCAGGTTCTAATAGAAGACTGTATCCCGGTACTGAAGAGGTACGCCAAAGAAG
GGAGAGAATTTGATTATGTGATTAATGATTTGACAGCTGTTCCAATCTCCACGTCTCCAGAAGAAGATTCCACAT
GGGAGTTTCTCAGACTGATTCTTGACCTCTCAATGAAAGTGTTGAAACAGGATGGGAAATATTTTACACAGGGGA
ACTGTGTCAATCTGACAGAAGCACTGTGCTCTATGAAGAACAGCTGGGGCGCCTGTATTGTCTGTGGAATTTT
CAAAGGAGATCGTCTGTGTCCCTTCATACTTGGAATTGTGGGTATTTTACACTGTTTGGAAGAAAGCTAAACCCT
GAAGATCAGTAGCCCCTAATCACATGTGCTGCAAATAGCCTTCCTGACCTCCATATGCTGTACATGACATCAAAA
TGAGTCAGGCAATTGATTGTGAATTCCTTAAAGTTTTCTTTTTTTAATAATTATTTTAAATTTAAAAAGCAAA
TGGAATATGTATATTTTGATGAGCTTAGGGTGTTTTTTTTTTGAAAGTCAGCTGAAGGATGGTTAGACAGCACAG
CGAAGACTGCTAAATGCACTGACCCCCCATTAGAATGTGATTTTTGTTCTTTTTATTCTCTGTGGGCTTTT
GTTTTTGTGTTTTGTTTTGGTAGATCTTCAATTTGGATATTTGGAGGAGTGAACATCGTTGTTTTGCTGGAGGGAA
GATCTTGATGGTGTGTTTTCTTTCCCCAAAAATTGACTTAGATATTAAAATTTGGTGCTTATAAGAGAGAGTTAAAA
AAAATAGGATTGCTTCAATTAAATTAACAAAAGAGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6652/6881
FIGURE 6141

MAAARHSTLDFMLGAKADGETILKGLQSIHQEQGMAESVHTWQDHGYLATYTNKNGSFANLRIYPHGLVLLDLQS
YDQDAQGKEEIDSILNKVEERMKELSQDSTGRVKRLPPIVRGGADRYWPTADGRLVEYDIDEVVYDEDSFYQNI
KILHSKQFGNIIILSGDVNLAESDLAYTRAIMGSGKEDYTGKDVILILGGDGGILCEIVKLKPKMVTMVEIDQMV
IDGCKKYMRTCTGVDLDNLKGDCYQVLIEDCIPVLKRYAKEGREFDYVINDLTAVPISTSPPEEDSTWEFLRLILD
LSMKVLKQDGKYFTQGNVCNLTALSLYEEQLGRLYCPVEFSKEIVCVPSYLELWVFYTVWKKAKP

6653/6881
FIGURE 6142

GTCAGCCAGTCAGTCCGCCAGTCCGCCAGCCCAGTACCTCTCTCTCCTCGGCCCTCGTAAGCTGTCCGCGGTCTG
TTTGGCCCCGAACGGCGGCGGAGGCGCTGATCATGGCGACATTTCATCTCGGTGCAGCTGAAAAAGACCTCAGAGGT
GGACCTGGCCAAGCCGCTGGTGAAGTTCATCCAGCAGACTTACCCAAGCGGCGGGGAAGAGCAGGCCCAGTACTG
CCGCGCGGCGGAGGAGCTCAGCAAGCTGCGCCGCGCCGCGAGTCGGTCTCGTCCGCTGGACAAGCACGAGGGCGCGCT
CGAGACGCTCCTGAGATATTATGATCAGATTTGTTCTATTGAACCCAAATTCCCATTTTTCTGAAAATCAGATCTG
CTTGACATTTACCTGGAAGGATGCTTTTCGATAAAGGTTCACTTTTTGGAGGCTCTGTAAACTGGCTCTTGCAAG
CTTAGGATATGAAAAGAGCTGTGTGTTGTTCAATTGTGCAGCCTTAGCTAGCCAAATTGCAGCAGAACAGAACCT
GGATAATGATGAAGGATTGAAAATCGCTGCTAAACATTACCAGTTTGCTAGTGGTGCCTTTTTACATATTAAAGA
GACGGTTTTATCTGCCCTTAAGTCGAGAGCCGACCGTGGACATATCTCCAGATACTGTTGGGACCCTCAGTCTTAT
TATGCTGGCACAGGCTCAAGAAGTATTTTTTTTTAAAGCCACAAGAGATAAAATGAAAGATGCCATCATAGCTAA
ATTGGCTAATCAGGCTGCAGATTATTTTGGTGATGCTTTCAAACAGTGTCAATACAAAGATACTCTCCCCAAGGA
GGTGTTCCTGTCTTGGCTGCAAAGCACTGTATCATGCAGGCCAATGCTGAGTACCATCAGTCTATCCTGGCAAA
ACAGCAGAAGAAATTGGAGAAGAAATTGCAAGGTTACAGCATGCAGCAGAACTGATTAAACAGTGGCATCTCG
CTATGATGAATATGTTAATGTGAAGGATTTTTCTGACAAAATCAATCGTGCCCTTGCTGCAGCAAAGAAGGATAA
TGACTTCATTTATCATGATCGAGTTCCAGACCTTAAAGATCTAGATCCTATTGGCAAAGCCACACTTGTGAAATC
TACCCCGGTCAATGTACCCATCAGTCAGAAATTTACTGATCTGTTTGAGAAGATGGTTCCCGTGTCTAGTACAGCA
GTCTTTGGCTGCCATAATCAGAGGAAAGCCGATTTGGTTAACAGATCAATTGCTCAGATGAGAGAAGCCACCAC
TTTGGCAAATGGGGTGCTAGCTTCCCTTAATCTTCCAGCAGCAATTGAAGATGTGTCTGGAGACACTGTACCTCA
GTCTATATTGACTAAATCCAGATCTGTGATTGAACAGGGAGGCATCCAGACTGTTGATCAGTTGATTAAAGAACT
GCCTGAATTACTGCAACGAAATAGAGAAATCCTAGATGAGTCATTAAGGTTGTTGGATGAAGAAGAAGCAACCGA
TAATGATTTAAGAGCAAAATTTAAGGAACGTTGGCAAAGGACACCATCCAATGAACTGTATAAGCCTTTAAGAGC
AGAGGGAACCAACTTCAGAACAGTTTTAGATAAAGCTGTGCAGGCAGATGGACAAGTGAAAGAATGTTACCAGTC
TCATCGTGACACCATCGTGCTTTTGTGTAAGCCAGAGCCTGAGCTGAATGCTGCCATCCCTTCTGCTAATCCAGC
AAAGACCATGCAGGGCAGTGAGGTTGTAAATGTCTTAAATCCTTATTGTCAAATCTTGATGAAGTAAAGAAGGA
AAGAGAGGGTCTGGAGAATGACTTGAAATCTGTGAATTTTGACATGACAAGCAAGTTTTTGACAGCCCTGGCTCA
AGATGGTGTGATAAATGAAGAAGCTCTTTCTGTTACTGAACTAGATCGAGTCTATGGAGGTCTTACAACATAAGT
CCAAGAATCTCTAAAGAAACAGGAGGGACTTCTTAAAAATATTTCAGGTCTCACATCAGGAATTTTCAAAAATGAA
ACAATCTAATAATGAAGCTAACTTAAGAGAAGAAGTTTTGAAGAATTTAGCTACTGCATATGACAACCTTTGTTGA
ACTTGTAGCTAATTTGAAGGAAGGCACAAAGTTTTACAATGAGTTGACTGAAATCCTGGTCAGGTTCCAGAACAA
ATGCAGTGATATAGTTTTTGCACGGAAGACAGAAAGAGATGAACTCTTAAAGGACTTGCAACAAAGCATTGCCAG
AGAACCTAGTGCTCGTACAATTCCTACACCTGCGTATCAGTCCTCACCAGCAGGAGGACATGCACCACTCCTCCA
ACTCCAGCGCCAAGAACCATGCCGCCTACTAAGCCCCAGCCCCCAGCCAGGCXTCCACCACCTGTGTTTCCAGCA
AATCGAGCTCCTTCTGCTACTGCTCCATCTCCAGTGGGGGCTGGGACTGCTGCGCCAGCTCCATCACAACGCCT
GGCTCAGCTCCTCCTCCACAGGCGCAGGGACCACCCTATTXCCCCCTATCCAGGATATCCTGGGTATTGCCAAAT
GCCCATGCCCATGGGCTATAATCCTTATGCGTATGGCCAGTATAATATGCCATATCCACCAGTGTATCACCAGAG
TCCTGGACAGGCTCCATACCCGGGACCCCAGCAGCCTTCATACCCCTTCCCTCAGCCCCCAGCAGTCTTACTA
TCCACAGCAGTAATATGTCTGCTCAGCAGCTCAGCTGATTTCAGATCAGAGGGAAAGAAATACCAACCTGCAATA
AGTGTACTAAACTCTACGCTCTGGTTAATGTAATGTACTCTCCTGGACTGAATGCAGTGTATAATTTCTGTCTAC
AGCTAGAAGCTGTGCCCCAGTTCCACATTTGATTACACATGTGAGATTTGCTGCTGTTGCAGTATAAACACTAGG
TATAATAGGATTTGAAATTGCATTACAGTTCATAAAAATTGAAAATGAGAAATTAAACCTGCAAGTGAAACATTT
GAAACGATTATACTTTCTACATAAGACATGGTTGGGACATCAGATACTTACAAAGATGGTTTTAAGTATGGATACT
AGAGAAAATTAAGTTTTCTTTCTTTGGTTTATTGATTGGTTTTAATTTCCATTATGCTATTTTGCATAATCAA
GGCACTGTAAATCTTATAATTTTAAATAAAATTACTTAAGAACAGTTGTCAATTGTTATGTTTTGTTATTGATTCT
CATTACTGTCTAATTTTTTTTTCTGGTATTAGTCTCATTTTGTATGTATATAAGTTAAACAGATACTGTTTTTAA
TGCATGAATAGTACAAGTTATTATCAAGGATGTTTTACAGGGAATCAAAGAATATTATCATACTTTATCTTTC
GTATGCTGATTAGTAAACGATTTTTTGACATTTATTTTAGAAAGTCCTATAATGTGGAAGAAACAAACAGTTGCTA
CCAAAGATTCTTCAAATAAACATACAAATAAATGTGTATATTTAATGTTTTATTGTTAGCTTCTCCAGAAAATTG
ATGCAAATCTGGTAATAATTCTTGCAATTTTTTCCCCAATAACCTGGTTAAATAGAAATACGCCAT

6654/6881
FIGURE 6143

TTTCCTTCCTCTTTTGGCAACATGGCGGGCGGAGAAGCTGGAGTGACTCTAGGGCAGCCGCATCTTTTCGCGTCAG
GATCTCACCACCTTGGATGTTACCAAGTTGACGCCACTTTCACACGAAGTTATCAGCAGACAAGCCACAATTAAC
ATAGGTACAATTGGTCATGTAGCTCATGGGAAATCCACAGTCGTCAAAGCTATTTCTGGAGTTTCATACTGTCAGG
TTCAAAAATGAACTAGAAAGAAATATTACAATCAAGCTTGGATATGCTAATGCTAAGATTTATAAGCTTGATGAC
CCAAGTTGCCCTCGGCCAGAATGTTATAGATCTTGTGGGAGCAGTACACCTGACGAGTTTCTACGGACATTCCA
GGGACCAAAGGGAACCTTCAAATTAGTCAGACATGTTTCCTTTGTTGACTGTCCTGGCCACGATATTTTGATGGCT
ACTATGCTGAACGGTGCAGCAGTGATGGATGCAGCTCTTCTGTTGATAGCTGGTAATGAATCTTGCCCTCAGCCT
CAGACATCGGAACACCTGGCTGCTATAGAGATCATGAACTGAAGCATATTTTGATTCTACAAAATAAAATTGAT
TTGGTAAAAGAAAGTCAGGCTAAAGAACAATACGAGCAGATCCTTGCAATTTGTCCAAGGTACAGTAGCAGAGGGA
GCTCCCATTTTCCAATTTTCAGCTCAGCTGAAATACAATATTGAAGTTGTTTGTGAGTACATAGTAAAGAAAATT
CCAGTACCCCCAAGAGACTTTACTTTCAGAGCCCCGGCTTATTGTTATTAGATCTTTTGATGTCAACAAACCTGGC
TGTGAAGTTGATGACCTTAAGGGAGGTGTAGCTGGTGGTAGTATCCTAAAAGGAGTATTAAAGGTGGGCCAGGAG
ATAGAAGTAAGACCTGGTATTGTTTCCAAAGATAGTGAAGGAAAACCTCATGTGTAAACCAATCTTTTCCAAAATT
GTATCACTTTTTTGCGGAGCATAATGATCTGCAATATGCTGCTCCAGGCGGTCTTATTGGAGTTGGAACAAAAATT
GACCCCACTTTGTGCCGGGCTGACAGAATGGTGGGGCAAGTACTTGGTGCAGTCGGAGCTTTACCTGAGATATTC
ACAGAATTGGAAATTTTCTATTTCTGCTTAGACGGCTTCTAGGTGTACGCACTGAAGGAGACAAGAAAGCAGCA
AAGGTTCAAAAGCTGTCTAAGAATGAAGTGCTCATGGTGAACATAGGATCCCTGTCAACAGGAGGGAGAGTTAGT
GCTGTCAAGGCCGATTTGGGTAAAATTGTTTTGACCAATCCAGTGTGCACAGAGGTAGGAGAAAAAATTGCCCTT
AGCCGAAGAGTTGAAAAACACTGGCGTTTAAATTGGTTGGGGTCAGATAAGAAGAGGAGTGACAATCAAGCCAACA
GTAGATGATGACTGAAGAATACCAGTTAAATAATACATTCGGATGGATTGGAAGTTGGAATTCCTCTTAAACAAC
CAAGGGGTTTATTTTCAAAGCAATATTGGGGAATTGATTTTCACAGTTTCGTTACCTTAGTAGGTAACGGTAAGGTT
ATTCTCTTTTTTTTTTTTTTTGGTTATGAAAACCTAGGGACTAAAATTAATATAAAAATTGGCATAATGTTGGAT
TGAATCTACATTTTGGCAGAAGTTAAACATTCCACATAATGTCAAAATTATACATCATGCAGTTCTGTTTTTTT
GTTTGTTTAATTTTGTTTTGTTTTGTAGTCTGGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGTGATCTGCAACC
TCTGCCCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGAGATTACAGGTGCGCGCCACCACA
CTTGGCTAATTTTTGTATTATTAGTAGAGACGGGGTTTCAGCATGTTGGCTAGGCCGGTCTCTCCTGACCTCAGG
GTGATCAGCCCACCTCGGCCTCACAAAGTGCTGGGATTACAGGCGTGAGCCACCTTGCCCAGCCCACATCATACA
GTTTGAATGAACTTTGCCACAACCAGCCTTTGCTGTAGCACACACATATATCACTGAACCTGTTTGAAATAAA
GTTTTTTTTCTTTTTCATGATTTCGTCTTTGAGTACCTCCAGGCTGAAAGACTGTTGTACCAGTAAAAACTTAAAG
GCACAAATTCCTTGAAGACCTTCTCCCTTTTATGTGGCCCCATATTTTATGTTGCTTTATCTTTGAAATTTTG
CATGAAAAGGAAATGAATGGATTTCGAATGAAATTGTCCTTTAGAGCATGATTACTTGTTCCTATGGACAAATATT
TTTCTCCCTTGCTCTTCTGCGCTGAAACACGGGAAACCAGAGTCAAAAGTTATCTCCCTCTCCCTGTGATGCC
TTGAGATTTTTTCTGCGTTGTTTAAATGCCTGAAATCCAAGTCTTCTCCATGGGAAAATACTGTTATACCAAAAT
AATTCTAGATGAGTAACAAAGATCTTTTAGGCCTTCATTTTATGTTTTTCTTAACTGTTATATTATGATTGTG
ACATAGATTATACTACTACTAATTTTTGGATGTTTCAAAGGTCAAGAAGTAAAGATGTTAGAAAGCAAAAAAA
AAAAAAAAAAAAAAAAAAAAA

6655/6881
FIGURE 6144

MAGGEAGVTILGQPHLSRQDLTTLDVTKLTPLSHEVISRQATINIGTIGHVAHGKSTVVKAI SGVHTVRFKNELER
NITIKLGYANAKIYKLDDPSCPRPECYRSCGSSTPDEFPTDIPGTKGNFKLVRHVSFVDCPGHDILMATMLNGAA
VMDAALLLIAGNESCPQPQTSEHLAAIEIMKLKHILILQNKIDLVKESQAKEQYEQILAFVQGTVAEGAPIIPIS
AQLKYNIEVVCEYIVKKIPVPPRDFTSEPRLIVIRSFVDVNKPGCEVDDLKGGVAGGSILKGVLKVGQEIEVRPGI
VSKDSEGKLMCKPIFSKIVSLFAEHNDLQYAAPGGLIGVGTKIDPTLCRADRMVGQVLGAVGALPEIFTELEISY
FLLRRLLGVRTEGDKKAAKVQKLSKNEVLMVNIGSLSTGGRVSAVKADLGKIVLTNPVCTEVGEKIALSRRVEKH
WRLIGWGQIRRGVTIKPTVDDD

6656/6881
FIGURE 6145

CTCTCTCCGGTCTGTGCCTCCAAGATGACAAAGAAAAGAAGGAACAATGGTCGTGCCAAAAGGGCCGCGGCCAC
GTGCAGCCTATTTCGCTGCACTAAATGTGCCCCGATGCGTGCCCAAGGACAAGGCCATTAAGAAATTCGTCATTTCGA
AACATAGTGGAGGCCGAGCAATCAGGGACATTTCTGAAGCGAGCGTCTTCGATGCCTATGTGCTTCCCAAGCTG
TATGTGAAGCTACATTACTGTGTGAGTTGTGCAATTCACAGCAAAGTAGTCAGGAATCGATCTCGTGAAGCCCCGC
AAGGACCGAACACCCCCACCCCGATTTAGACCTGCGGGTGCTGCCCCACGTCCCCACCAAAGCCCATGTAAGGA
GCTGAGTTCTTAAAGACTGAAGACAGGCTATTCTCTGGAGAAAAATAAAATGGAAATTGTACTT

6657/6881
FIGURE 6146

CTCTTTCTGCTGCTCCCCAGCTCTCGGATACAGCCGACACCATGGGTTTCAGAGACCTGAAAAGCCCCGCCGGCC
TCCAGGTGCTCAACGATTACCTGGCGGACAAGAGCTACATCGAGGGGTATGTGCCATCACAAGCAGATGTGGCAG
TATTTGAAGCCGTGTCCAGCCCAGTGCCTGCCGACTTGTGTCATGCCCTACGTTGGTATAATCACATCAAGTCTT
ACGAAAAGGAAAAGGCCAGCCTGCCAGGAGTGAAGAAAGCTTTGGGCAAGTATGGTCCTGCCGATGTGGAAGACA
CTACAGGAAGTGGAGCTACAGATAGTAAAGATGATGATGACATTGACCTCTTTGGATCTGATGATGAGGAGGAAA
GTGAAGAAGCAAAGAGGCTAAGGGAAGAACGTCTTGCAACAATATGAATCAAAGAAAGCCAATGATGAGACAGATA
TGGCGAAATTAGAGGAGCGCGTCAGAAGCATTCAAGCAGACGGCTTAGTCTGGGGCTCATCTAAACTAGTTCCAG
TGGGATACGGAATTAAGAAACTTCAAATACAGTGTGTAGTTGAAGATGATAAAGTCGGAACAGATATGCTGGAGG
AGCAGATCACTGCTTTTGAGGACTACGTGCAGTCCATGGATGTGGCTGCTTTCAACAAGATCTAAAATCCATCCT
GGATCATG

6658/6881
FIGURE 6147

ATCCTGACTTCCGCTTTGGAGGCGAGGACCCGAGCGAGTGTAGGGGGTGCGGCGTCTGGTCAGCCAGGGGTGAAT
TCTCAGGACTGGTCGGCAGTCAAGCCATC**ATG**CCTCGTGGTCAGAAGAGTAAGCTCCGTGCCCCGTGAGAAACGCC
GCAAGGCCCCGAGATGAGACCCGGGGTCTCAATGTTCTCAGGTCACTGAAGCAGAGGAAGAAGAGGCCCCCTGCT
GTTCTCTTCTGTTTCTGGGGGTGCTGCTTCAAGCTCTCCTGCTGCTGGCATTCCCCAGAAGCCTCAGAGAGCCC
CAACCACTGCCGCTGCTGCGGCTGCGGGTGTTCATCCACAAAATCTAAAAAAGGTGCCAAGAGCCACCAAGGTG
AGAAAAATGCAAGTTCCTCCCAGGCCTCAACATCCACTAAGAGCCCAAGCGAAGATCCTCTAACCAGGAAGTCAG
GGTCGTTGGTGCAGTTCCTGTTGTACAAGTATAAAATAAAAAAGTCCGTTACAAAGGGAGAAATGCTGAAAATTG
TTGGCAAAGGTTTCAGGGAGCACTTCCCTGAGATCCTCAAGAAAGCCTCTGAGGGCCTCAGTGTTGTCTTTGGCC
TTGAGCTGAATAAAGTCAACCCCAACGGCCACACTTACACCTTCATCGACAAGGTAGACCTCACTGATGAGGAAT
CCCTGCTCAGTTCCTGGGACTTTCCAGGAGAAAGCTTCTGATGCCTCTCCTGGGTGTGATCTTCTTAAATGGCA
ACTCAGCTACTGAGGAAGAGATCTGGGAATTCTGAATATGTTGGGAGTCTATGATGGAGAGGAGCACTCAGTCT
TTGGGGAACCCTGGAAGCTCATCACCAAGATCTGGTGCAGGAAAAATATCTGGAGTACAAGCAGGTGCCAGCA
GTGATCCCCACGCTTTCATTCCTGTGGGGTCCGAGAGCCTATGCTGAAACCAGCAAGATGAAAGTCCTGGAGT
TTTTGGCCAAGGTAAATGGTACCACCCCTGTGCCTTCCCAACCCATTACGAAGAAGCTTTGAAAGATGAAGAGA
AAGCCGGAGTCT**TGAG**CCAGAGTTGTAGCCAGGCCTTGCACTACTGCCATAGCCAATCAATCTCCCAAAGCCAAGT
TTACCTGCTGTTCTCACCCCAATGAGGTCTTAGGCAGATTCTTTACTTTGTAATTCAAAAGGCCTGTTAACCTT
TGTTCTTGTTATGCATGAATAACTTGTTGACTTTTTTTTTTCTCTTTTCAACTAGTGTTTCAACAGGTTTATT
TAGATTGAGAAATGTAATTTACAAATGATATAGATCACCTGTTATTGCTGTTTTTCAGGGACAGTAGAAAGTGT
TTTGTTTTTTGAGTGAAACAACTTATTAATAAAAAATCCTTAAATCACTTTTGTAATCCAGGACAAGAAAATGTGG
CATTAGAGTAGAAATATCTTTGGAAATGTGAAAGACCCCATAGTGAAATATTTGGGATCAGAAGCCAGAGGTGTA
AAAGTGGTCAATTCTTGTTTTACTTCATTTAATCTTTCTTTTCATAAAGATACATACCTGGATTTGTTTATGTTA
TTCAAGAATGTGTGAGAAATTAAACCATAGTTAGTTAA

6659/6881
FIGURE 6148

MPRGQKSKLRAREKRRRKARDETRGLNVPQVTEAAAAAPCCSSSVSGGAASSSPAAGIPQKPQRAPTTAAAAAG
VSSTKSKKGAKSHQGEKNASSSQASTSTKSPSEDPLTRKSGSLVQFLLYKYKIKKSVTKGEMLKIVGKRFRHF
EILKKASEGLSVVFGLELNKVNPNNGHTYTFIDKVDLTDEESLLSSWDFPRRKLMLLGVI FLNGNSATEEEIWE
FLNMLGVYDGEHVSFGEPPWKLI TKDLVQEKYLEYKQVPSSDPPRFQFLWGPRAYAETSKMKVLEFLAKVNGTTP
CAFPTHYEEALKDEEKAGV

6660/6881
FIGURE 6149

CTCCTCTAGGCCGCGCGGCCGGAAGCGCTGAGTCACGGTGAGGCGACTGGACCCACACTCTCTTAACCTGCCCTC
CCTGCACTCGCTCCCGGCGGCTCTTCGCGTCACCCCGCGCTAAGGCTCCAGGTGCCGCTACCGCAGCGTGAGT
ACCTGGGGCTCCTGCAGGGGTCCACTAGCCCTCCATCCTCTACAGCTCAGCATCAGAACACTCTCTTTTTAGACT
CCGAT**ATG**GGGGTCCCTCCAAGAAAGTTACTCTCTCAGTGCTCAGCCGGGAGCAGTCGGAAGGGGTTGGAGCGAGGG
TCCGGAGAAGCATTGGCAGACCCGAGTTAAAAATCTGGATCCGTTTTTACTGTTTGATGAATTTAAAGGAGGTA
GACCAGGAGGATTTCTGTATCATCCACATCGAGGTTTTGAAACAGTATCCTACCTCCTGGAAGGGGGCAGCATGG
CCCATGAAGACTTCTGTGGACACACTGGTAAAATGAACCCAGGAGATTTGCAGTGGATGACTGCGGGCCGGGGCA
TTCTGCACGCTGAGATGCCTTGCTCAGAGGAGCCAGCCCATGGCCTACAACCTGTGGGTTAATTTGAGGAGCTCAG
AGAAGATGGTGGAGCCTCAGTACCAGGAAGTGAAGAAATCCCTAAACCCAGTAAGGATGGTGTGACAG
TTGCTGTCATTTCTGGAGAAGCCCTGGGAATAAAGTCCAAGGTTTACACTCGCACACCAACCTTATATTTGGACT
TCAAATTGGACCCAGGAGCCAAACATTCCCAACCTATCCCTAAAGGGTGGACAAGCTTCATTTACACGATATCTG
GAGATGTGTATATTGGGCCCCGATGATGCACAACAAAAATAGAACCTCATCACACAGCAGTGCTTGGAGAAGGTG
ACAGTGTCCAGGTGGAGAACAAGGATCCCAAGAGAAGCCACTTTGTCTTAATTGCTGGGGAGCCATTAAGAGAAC
CAGTTATCCAACATGGTCCATTTGTGATGAACACCAATGAAGAGATTTCTCAAGCTATTCTTGATTTCAGAAACG
CAAAAAATGGGTTTGAAAGGGCCAAAACCTGGAAATCAAAGATTGGGAAC**TAGT**GGAAAGCGGAAGAGCAGGTCT
TGATGTGTCCTAGAAATTTGCCATTTCTGAGATTGAGCCATTGAAGGCATTCCATTTCTAAAGCTTATTTAGCCG
GTGCTTCTAAAGAATTCCACACTAACGTGATAACATGGTTTTTTGTAACAATAAATGTAGGATATTTCTGGCACA
TGCAAATAAACCTAATCATTGTTTCTTTAAAAAAAAAAAAAAAAA

6661/6881
FIGURE 6150

MGSSKKVTL SVLSREQSEGVGARVRRSIGRPELKNLDPFLLFDEFKGGRPGGFPDHPHRGFETVSYLLEGGSMAH
EDFCGHTGKMNPGLQWMTAGRGILHAEMPCSEEPAGHLQLWVNLRSEKMVEPQYQELKSEEIPKPSKDGVTV
VISGEALGIKSKVYTRPTLYLDFKLDPGAKHSQPIPKGWTSFIYTTISGDVYIGPDDAQQKIEPHHTAVLGEGDS
VQVENKDPKRSHFVLIAGEPLREPVIQHGPVFMNTNEEISQAILDFRNAKNGFERAKTWKSKIGN

6662/6881
FIGURE 6151

CTCTCTGCTCCTCCTGTTCTACAGTCAGCCGCATCTTCTTTTGCATCGTCAGCCAAACCACATCCCTGAGACACC
ATGGGGAAGGTGAAGGTGCGAGTCAACAGATTTGGTTCGTACTGGGCGCCTGGTCACCAGGGCTGCTTTTAACTCT
GGTAAAGTGGATATTGTTGCCATCAATGACCCCTTCATTGACCTGAACTACATGGTTTACATGTTCCAATATGAC
TCCACCCATAGCAAATTCCATGGCACCCTCAAGGCTGAGAATGGGAAGCTTGTCATCAATGGAAATCCCATCACC
ATCTTCCAGGAGCGAGATCCCTCCAAAATCAAGTGGGGCGATGCTGGCGCTGAGTACGTGAGTCCACTGGC
GTCTTACCACCATGTAGAAGGCTGGGCCTCATTTCAGGGGGGAGCCAAAAGGGTCATCATCTCTGCCCCCTCT
GCTGATGCCCCAATGTTTGTTCATGGGTGTGAACCATGAGAAGTATGACAACAACCTCAAGATTGTCGGCAGTGCC
TTCTGCACCACCAACTGCTTAGCACCCCTGGCCAAGGTCATCCATGACAACCTTTGGTATCGTGGAAGGACTCATG
ACCATAGTCCACGCCATCACTGCCACCCAGAAGACTGTGGATGGCCCCCTCCGGGAAACTGTGGCGTGATGGCCAC
GGGGCTCTCCAGAACATCATCCCTGCCTCTACTGGCACTGCGAAGGCTATGGGCAAGGTCATCCCTGAGCTGAAC
GGGAAGCTCACTGGCATGGCCTTCTGTGTCCCCACTGCCGTGTCAGTGGTGGACCTGACCTGCCGTCTGGAAAAA
CCTGCCAAATATGATGACACCAAGAAGGTGGTGAAGCAGGCATCGGAGGGCCCCCTCAAGGGCATCCTGGGCTAC
ACTGAGCACCAGGTGGTCTCCTCCGACTTCAACAGCAACACCCACTCTTCCACCTTCAATGCTGGGGCTGTCATT
GCCCTCAACAACCACTTTTTCAAGCTCATTTCCTGGTATGACAATGAATTTGGCTACAGCAACAGGATGGTGGAC
CTCATGGCCCACATGGCCTCCAAGGAGTAAGACCCCTGGACCACCAGCCCCAGTAAGAGCACAAGAGGAAGAGAG
AGACCCTCACTGCTGGGGAGTCCCTGCCACACTCAGTCCCCCACCACACTGAATCTCCCCTCCTCACAGTTTCCA
TGTAACCCCTTGAAGAGGGGAGGGGCCTAGGGAGCCCCACCTTGTCATATACCATCAATAAAGTACCCTGTGCT
CAGCC

6663/6881
FIGURE 6152

CTTTTGCATCGTCAGCCAAACCACATCCCTGAGACACCATGGGGAAGGTGAAGGTCGGAGTCAACAGATTTGGTC
GTACTGGGCGCCTGGTCACCAGGGCTGCTTTTAACTCTGGTAAAGTGGATATTGTTGCCATCAATGACCCCTTCA
TTGACCTGAACTACATGGTTTACATGTTCCAATATGACTCCACCCATAGCAAATTCCATGGCACCGTCAAGGCTG
AGAATGGGAAGCTTGTCAATGGAAATCCCATCACCATCTTCCAGGAGCGAGATCCCTCCAAAATCAAGTGGG
GCGATGCTGGCGCTGAGTACGTCAATGGAGTCCACTGGCGTCTTCCACCACCATGTAGAAGGCTGGGCCTCATTTC
AGGGGGGAGCCAAAAGGGTCATCATCTCTGCCCCCTCTGCTGATGCCCCAATGTTTGTCAATGGGTGTGAACCATG
AGAAGTATGACAACAACACCCACTCTTCCACCTTCAATGCTGGGGCTGTCATTGCCCTCAACAACCACTTTTCA
AGCTCATTTCCTGGTATGACAATGAATTGGCTACAGCAACAGGATGGTGGACCTCATGGCCCACATGGCCTCCA
AGGAGTAAGACCCCTGGACCACCAGCCCCAGTAAGAGCACAAGAGGAAGAGAGAGACC

6664/6881
FIGURE 6153A

CCTCTGCCACCATGGGGAACTGGGCTGTGAATGAGGGGCTCTCCATTTTGTCAATTCTGGTTTGGCTGGGGTTGA
ACGTCTTCTCTTTGTCTGGTATTACCGGGTTTATGATATTCCACCTAAGTTCTTTTACACAAGAAAACCTTCTTG
GGTCAGCACTGGCACTGGCCAGGGCCCCCTGCAGCCTGCCTGAATTTCAACTGCATGCTGATTCTCTTGCCAGTCT
GTGCAAACTGTCTGTCTTCTCAGGGGTTCCAGTGCCTGCTGCTCAACAAGAGTTCGAAGACAACCTGGACAGGA
ATCTCACCTTTTATAAAATGGTGGCATGGATGATTGCACCTTCACTCTGCGATTACACCATTCACATCTATTTA
ATGTGGAATGGTGTGTGAATGCCCGAGTCAATAATTCTGATCCTTATTTCAGTAGCACTCTCTGAACTTGGAGACA
GGCAAAATGAAAGTTATCTCAATTTTGTCTCGAAAGAGAATAAAGAACCCTGAAGGAGGCTGTACCTGGCTGTGA
CCCTGTTGGCAGGCATCACTGGAGTTGTCTACGCTGTGCCTCATATTAATTATCACTTCTCCACCAAAAACCA
TCCGGAGGTCTTACTTTGAAGTCTTTTGGTACACACATCATCTCTTTGTGATCTTCTTCATTGGCCTTGCCATCC
ATGGAGCTGAACGAATTGTACGTGGGCAGACCGCAGAGAGTTTGGCTGTGCATAATATAACAGTTTGTGAACAAA
AAATCTCAGAATGGGGAAAAATAAAGGAATGCCAATCCCTCAGTTTGTGGAACCCCTCCTATGACTTGGAAAT
GGATAGTGGGTCCCATGTTTCTGTATCTCTGTGAGAGGTTGGTGCAGTTTGGCGATCTCAACAGAAGGTGGTCA
TCACCAAGGTGGTCACTACCCCTTCAAAACCATCGAGCTACAGATGAAGAAGAAGGGGTTCAAAATGGAAGTGG
GACAATACATTTTGTCAAGTGCCCAAAGGTGTCCAAGCTGGAGTGGCACCCCTTTTACACTGACATCCGCCCCCTG
AGGAAGACTTCTTTAGTATCCATATCCGCATCGTTGGGGACTGGACAGAGGGGCTGTTCAATGCTTGTGGCTGTG
ATAAGCAGGAGTTTCAAGATGCGTGGAACTACCTAAGATAGCGGTTGATGGGCCCTTTGGCACTGCCAGTGAAG
ATGTGTTTCAGCTATGAGGTGGTGATGTTAGTGGGAGCAGGGATTGGGGTCACACCCCTTCGCATCCATTCTCAAGT
CAGTCTGGTACAAATATTGCAATAACGCCACCAATCTGAAGCTCAAAAAGATCTACTTCTACTGGCTGTGCCGGG
ACACACATGCCTTTGAGTGGTTTGCAGATCTGCTGCAACTGCTGGAGAGCCAGATGCAGGAAAGGAACAATGCCG
GCTTCTCAGCTACAACATCTACCTCACTGGCTGGGATGAGTCTCAGGCCAATCACTTTGCTGTGCACCATGATG
AGGAGAAAGATGTGATCACAGGCCTGAAACAAAAGACTTTGTATGGACGGCCCAACTGGGATAATGAATTCAGA
CAATTGCAAGTCAACACCCTAATACCAGAATAGGAGTTTCTCTGTGGACCTGAAGCCTTGGCTGAAACCCCTGA
GTAAACAAAGCATCTCCAACCTCTGAGTCTGGCCCTCGGGGAGTGCATTTTCAATTTTCAACAAGGAAAACCTCTAAC
TTGTCTCTTCCATGAGGAAATAAATGTGGGTTGTGCTGCCAATGCTCAAATAATGCTAATTGATAATATAAATA
CCCCCTGCTTAAAAATGGACAAAAAGAACTATAATGTAATGGTTTTCCCTTAAAGGAATGTCAAAGATTGTTTG
ATAGTGATAAGTTACATTTATGTGGAGCTCTATGGTTTTGAGAGCACTTTTACAAACATTATTTTCAATTTTTTCC
TCTCAGTAATGTCAAGTGAAGTTAGGGAAAAGATTCTTGGACTCAATTTTAGAATCAAAAGGGAAAGGATCAAAA
GGTTCAAGTAACCTCCCTAAGATTATGAACTGTGACCAGATCTAGCCCATCTTACTCCAGGTTTGATACTCTTTC
CACAATACTGAGCTGCCTCAGAATCCTCAAAATCAGTTTTTATATTCCCCAAAAGAAGAAGGAAACCAAGGAGTA
GCTATATATTTTCTACTTTGTGTCATTTTGGCATCATTATTATCATACTGAAGGAAATTTTCCAGATCATTAGGA
CATAATACATGTTGAGAGTGTCTCAACACTTATTAGTGACAGTATTGACATCTGAGCATACTCCAGTTTACTAAT
ACAGCAGGGTAACTGGGCCAGATGTTCTTTCTACAGAAGAATATTGGATTGATTGGAGTTAATGTAATACTCATC
ATTTACCACTGTGCTTGGCAGAGAGCGGATACTCAAGTAAGTTTTGTAAATGAATGAATGAATTTAGAACCACA
CAATGCCAAGATAGAATTAATTTAAAGCCTTAAACAAAATTTATCTAAAGAAATAACTTCTATTACTGTCATAGA
CCAAAGGAATCTGATTCTCCCTAGGGTCAAGAACAGGCTAAGGATACTAACCAATAGGATTGCCTGAAGGGTTCT
GCACATTCTTATTTGAAGCATGAAAAAGAGGGTGGAGGTGGAGAATTAACCTCCTGCCATGACTCTGGCTCAT
CTAGTCTGCTCCTTGTGCTATAAAATAAATGCAGACTAATTTCTGCCCCAAAGTGGTCTTCTCCAGCTAGCCCT
TATGAATATTGAACCTTAGGAATTGTGACAAATATGTATCTGATATGGTCATTTGTTTTAAATAACACCCACCCCT
TATTTTCCGTAAATACACACACAAAATGGATCGCATCTGTGTGACTAATGGTTTATTTGTATTATATCATCATCA
TCATCCTAAAATTAACAACCCAGAAACAAAATCTCTATACAGAGATCAAATTCACACTCAATAGTATGTTCTGA
ATATATGTTCAAGAGAGAGTCTCTAAATCACTGTAGTGTGGCCAAGAGCAGGGTTTTCTTTTTGTCTTAGAAC
TGCTCCCATTCTGGGAACATAAACAGTTTTATTTGCCCCACCCCTTGGAGCCACAAATGTTTAGAACTCTTCA
ACTTCGGTAATGAGGAAGAAGGAGAAAGAGCTGGGGGAAGGGCAGAAGACTGGTTTAGGAGGAAAAGGAAATAAG
GAGAAAAGAGAATGGGAGAGTGAGAGAAAATAAAAAAGGCAAAAGGGAGAGAGAGGGGAAGGGGGTCTCATATTG
GTCATTCCCTGCCCCAGATTTCTTAAAGTTTTGATATGTATAGAATATAATTGAAGGAGGTATACACATATTGATG
TTGTTTTGATTATCTATGGTATTGAATCTTTTAAATCTGGTCACAAATTTTGTGCTGAGGGGGATTATTCAAG
GGACTAGGATGAATAAATAAGAACTCAGTTGTTCTTTGTCACTACTATTCTTTCTGCTCTCCAGAATCCTCA
GGGCACTGAGGGTAGGTCTGACAAATAAGGCCTGCTGTGCGAATATAGCCTTTCTGAAATGTACCAGGATGGTTT

6665/6881

FIGURE 6153B

CTGCTTAGAGACACTTAGGTCCAGCCTGTTACACTGCACCTCAGGTATCAATTCATCTATTCAACAGATATTTA
TTGTGTTATTACTATGAGTCAGGCTCTGTTTATTGTTTCAATTCTTTACACCAAAGTATGAACTGGAGAGGGTAC
CTCAGTTATAAGGAGTCTGAGAATATTGGCCCTTTCTAACCTATGTGCATAATTAACCAGCTTCATTTGTTGC
TCCGAGAGTGTTTCTCCAAGGTTTTCTATCTTCAAACCAACTAAGTTATGAAAGTAGAGAGATCTGCCCTGTGT
TATCCAGTTATGAGATAAAAAATGAATATAAGAGTGCTTGTCATTATAAAAGTTTCCTTTTTTATTCTCTCAAGC
CACCAGCTGCCAGCCACCAGCAGCCAGCTGCCAGCCTAGCTTTTTTTTTTTTTTTTTTTTTTTTAGCACTTAGTAT
TTAGCATTTATTAAACAGGTACTCTAAGAATGATGAAGCATTTGTTTTTAATCTTAAGACTATGAAGTTTTTCTTA
GTTCTTCIGCTTTTGCAATTGTGTTTGTGAAATTTGAATACTTGCAGGCTTTGTATGTGAATAATTCTAGCGGGG
GACCTGGGAGATAATTCCTACGGGGAATTCTTAAACTGTGCTCAACTATTAAATGAATGAGCTTTC

6666/6881
FIGURE 6154

MGNWAVNEGLSIFVILVWLGLNVFLFVWYYRVYDIPPKFFYTRKLLGSALALARAPAAACLNFNCLILLPVCRNL
LSFLRGSSACCSTRVRRQLDRNLTFHKMVAWMIALHSAIHTIAHLFNVEWCVNARVNNSDPYSVALSELGDRQNE
SYLNFARKRIKNPEGGLYLAVTLLAGITGVVITLCLILIIITSSTKTIRRSYFEVFWYTHHLFVIFFIGLAIHGAE
RIVRGQTAESLAVHNITVCEQKISEWGKIKECPIQFAGNPPMTWKWIVGPMFLYLCEVLVRFWRSQQKVITKV
VTHPFKTIELQMKKKGFKMEVGQYIFVKCPKVSKLEWHPFTLTSAPEEDFFSIHIRIVGDWTEGLFNACGCDKQE
FQDAWKLPKIAVDGPFGTASEDVFSYEVVMLVGAGIGVTPFASILKSVWYKYCNNATNLKLLKKIYFYWLCRDTHA
FEWFADLLQLLESQMQRNNAAGFLSYNIYLTGWDESQANHFVHHDEEKDVITGLKQKTLYGRPNWDNEFKTIAS
QHPNTRIGVFLCGPEALAEITLSKQSI SNSESGPRGVHFI FNKENF

6667/6881
FIGURE 6155

AAAACACCAAATGGCGGATGACGCCGGTGCAGCGAGGAGGGTCCGGAGGCCCTGGTGGCCCTGGGATGGGGAACC
GCGGTGGCTTCCGCGGAGGTTTCGGCAGTGGCATCCGGGGCCGGGGTCGCGGCCGTGGACGGGGCCGGGGCCGAG
GCCGCGGAGCTCGCGGAGGCAAGGCCGAGGATAAGGAGTGGATGCCCGTCACCAAGTTGGGCCGCTTGGTCAAGG
ACATGAAGATCAAGTCCCTGGAGGAGATATATCTCTTCTCCCTGCCATTAAAGGAATCAGAGATCATTGACTTTT
GCTTGGGGGCCTCTCTCAAGGATGAGGTTTTGAAGATTATGCCAGTGCAGAAGCAGATCCGTGCCGGCCAGCGCA
CCAGGTTCAAGGCGTTTGTGCTATCGGGGACTACAATGGCCACGTCGGTCTGGGTGTTAAGTGTCCAAGGAGG
TGGCCACCGCCATCCGTGGGGCCATCATCCTGGCCAAGCTCTCCATTGTCCCCGTGCGCAGAGGCTACTGGAGGA
ACAAGATCGGCAAGCCCCACACCGTCCCTTGCAAGGTGACAGGCCGCTGCGGCTCTGTGCTGGTGCGCCTCATCC
CTGCACCCAGGGGCACTGGCATCGTCTCCGCACCTGTGCCTAAGAAGCTGCTTATGATGGCTGGTATCGATGACT
GCTACACCTCAGCCCGGGGCTGCACTGCCACCCTGGGCAACTTCGCCAAGGCCACCTTTGATGCCATTTCTAAGA
CCTACAGCTACCTGACCCCCGACCTCTGGAAGGAGACTGTATTTACCAAGTCTCCCTATCAGGAATTCAGTGACC
ACCTCGTCAAGACCCACACCAGAGTCTCCGTGCAGCGGACTCAGGCTCCAGCTGTGGCTACAACATAGGGTTTTT
ACACAAGAAAAATAAAGTGAATTAAGCGTG

6668/6881
FIGURE 6156

MPVTKLGRLVKDMKIKSLEEIYLFSLPIKESEIIDFCLGASLKDEVLKIMPVQKQIRAGQRTREKAFVAIGDYNG
HVGLGVKCSKEVATAIRGAILAKLSIVPVRRGYWRNKIGKPHTVPCKVTGRCGSVLVRLIPAPRGTGIVSAPVP
KKLLMMAGIDDCYTSARGCTATLGNFAKATFDAISKYSYLTDLWKETVFTKSPYQEFTDHLVKTHTRVSVQRT
QAPAVATT

6669/6881
FIGURE 6157

GAACATCCAGTCATGGATAAAAAATGAGCTGGTTTCAGAAGGCCAAACTGGCCGAGCAGGCTGAGCGATATGATGAC
ATGGCAGCCTGCATGAAGTCTGTAAGTGAAGGAGCTGAATTATCCAATGAGGAGAGGAATCTTCTCTCAGTT
GCTTATAAAAAATGTTTTAGGAGCCCGTAGGTCATCTTGGAGGGTTCGTCTCAAGTATTGAACAAAAGACGGAAGGT
GCTGAGAAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAAGTTGATACGGAGCTAAGAGATATCTGCAATGAT
GTACTGTTTTCTTTTGGAAAAGTTCTTGATCCCCAGTGCTTCACAAGCAGAGAGCAAAGTCTTCTCTTTGAAAATG
AAAGGAGATTACTACCATTACTTGGCAGAGGTTGCCACTGGTGATGACAAGAAAGGGATTGTGGATCAGTCACAA
CAAGCATAACCAAGAAGCTTTTGAATCAGCAAAAAGGAAATGCAACCAACACATCCTATCAGACCAGGTCTGGCC
CTTAACCTTCTCTGTGTTCTATTATGAGATTCTGAAGTCCCCAGAGAAAGCCTGCTCTCTTGCAAAGACAGCTTTT
GATGAAGCCATTGCTGAAGTTGATACATTAAATTGAAGAGTCATACAAAGACAGCATGCTAATAATGCAATTACTG
AGAGACAACCTTGACATTGTGGACATCAGATACCCAAGGAGACGAAGCTGAAGCAGGAGAAGGAGGGGAAAATTAA
CCGGCCTTCCAACCTTTGTGTGCCTCATTCTAAAATTTACACAGTAGACCATTTGTTCATCCATGCTGTCCACAA
AGTTTTTTATTTACGATTTATGACAGGTTTATGTTACTTCTATTTGAATTTCTATGTTTCCCATGTGGTTTTTCT
GTTTAATATTAGGGGAGTAGAGCCAGTTAACATTTAGGGAGTTACCTGTTTTCTATCTTGAGGTGGCCAATATGGG
GATGTGGAATTTTTATACAAGTTATAAATGTTTGGCATAAGTACTTTTGGTACATTGTGGCTTCACAAGGGCCAGG
GTAAACTGCTTCCCTGTCCAAGCAAAGAAAAGTGCCTACATATTGGTTTTGTCCTGGTGGGGAATAAAAGGGATC
ATTGGTTCAGTCACAGGTGTAGTAATTGTGGGTACTTTAAGGTTTGGAGCACTTACAAGGCTGTGGTAGAAACA
TACCCCATGGATACCACATATTAAACCATGTATATCTGTGGAATACTCAATCTCAATGTGCACACCTTTGACTAC
AACTGCAGAAAGTGTTCCTTTAGACAAAGTTGTGACCCATTTTACTCTGGATAAGGGCAGAAACGGTTCACATTCC
ATTATTTGTAAAGTTACCTGCTGTTAGCTTTTATTATTTTTGCTACACTCATTTTATTGTATCTAAATGTTTTTA
GGCAACCTAAGAACAAAATGTAAAAGTAAAGATGCAGGAAAAATGAATTGCTTGGTATTCTTACTTTCATCTGTAT
CAAGCACAGCAGTAAAAACAAAACCCATGTATTTAACTTTTTTTTTTTAGGTTTTTTGCTTTTGTGATTTTTTTT
TTGATACTTGCCATAACATGCATGTGCTGTATAACAATCCAAGCATAATTGTTAAGAACACATGTATTAAATTCAT
GTAAGTGAATAAAAAGTTTTATGAATGGACTTTTCAACTACTTTCTCTACAGCTTTTCATGTAAATTAGTCTTTT
GGTCTGAAACTTCTCTAAAGGAAATTGTACATTTTTTGAATTTATTCCCTATTCCCTCTTGGCAGCTAATGGG
CTTTTACCAAGTTTAAACACAAAATTTATCATAACAACAAAATACTACTAATAATACTACTGTTTCCATGTCCC
GTGATCCCCCTCTCTTCCCTCCCCACCCTGAAAAAAATGAGTTCCAATTTTTTTGGGAGAGGGGAGATTGATTAGAA
AAAAATGTAATATGTTCCATTAAAAATTTTGGCGTATGGCATTCTTAAGTATTAGGAAGCCACAATGTTCTTGGCC
CGTCATGACATTGGGTAGCATTAACATAAGTTTTGTGCTTCCAATCACTTTTTGGTTTTTAAGAATTTCTTGA
TACTCTTATAGTCTGCCCTCAATTTTGATCCTTTATTCTATTTGTCAGGTGCACAAGATTACCTTCCTTTTTTTAG
CCTTCTGTCTTGTACCAACCATTCCTACTTGGTGGCCATGTACTTGGAAAAAGGCCGCATGACCTTTCTGGCTC
CACTCAGTGTCTAAGGCACCTGCTTCCTTTGCTTGCATCCCACAGACTATTTCCCTCATCCTATTTACTGCAGC
AAATCTCTCCTTAGTTGATGAGATTGTGTTTATCTCCCTTTAAAACCTGCCTATCCTGAATGGTTTGTCAATTGT
CTGCCCTTTAAATCCTTCCCTCTTCTCCTCCTCTGTTCTCTAAATAATGATGGGGCTAAGTTATACCCAAAGCT
CACTTTACAAAATATTTCTCAGTACTTTGCAGAAAACACCAACAAAATGCCATTTTAAAGAGGTATATTTT
TTCTTTTAGAATGTAAGCTCCTCAAGAGCAGGGACAATGTTTTCTGTATGTTCTGTTGTGCTAGTACACTGTAA
ATGCTCAATAAATATTGATGATGGGAGGCA

6670/6881
FIGURE 6158

GATGACATGGCAGCCTGCATGAAGTCTGTAAGTGAAGGAGCTGAATTATCCAATGAGGAGAGGAATCTTCTC
TCAGTTGCTTATAAAAATGTTTTAGGAGCCCGTAGGTCATCTTGGAGGGTCGTCTCAAGTATTGAACAAAAGACG
GAAGGTGCTGAGAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAAAGTTGATACGGAGCTAAGAGATATCTGC
AATGATGTACTGTTTCTTTTGGAAAAGTTCTTGATCCCCAGTGCTTCACAAGCAGAGAGCAAAGTCTTCTCTTTG
AAAATGAAAGGAGATTACTACCATTTACTTGGCAGAGGTTGCCACTGGTGATGACAAGAAAAGGGATTGTGGATCAG
TCACAACAAGCATAACCAAGAAGCTTTTGAAATCAGCAAAAAGGAAATGCAACCAACACATCCTATCAGACCAGGT
CTGGCCCTTAACTTCTCTGTGTTCTATTATGAGATTCTGAACTCCCCAGAGAAAAGCCTGCTCTCTTGCAAAGACA
GCTTTTGATGAAGCCATTGCTGAACTTGATACATTAATTGAAGAGTCATACAAAGACAGCATGCTAATAATGCAA
TTACTGAGAGACAACCTTGACAATGTGGTTTTTCATGTTTAATATTAGGGGAGTAGAGCCAGTTAACATTTAGGGAG
TTACCTGTTTTTCATCTTGAGGTGGCCAATATGGGGATGTGGAATTTTTATACAAGTTATAAATGTTTGGCATAGT
ACTTTTGGTACATTGTGGCTTCA

6671/6881
FIGURE 6159

AGCTGACACAACCAAGACGAGTCTCAGTGTCTAGGGAAGCTTGGGGTCTGCTCCTTTTACTTCAGGCGAACCTG
AACTTTAATGCAATTTTGAAGCATGCCCTGAATAGATTCAAGTCAAACTAAAAACGGTGAAAGGT
TGCGACTATTACCAAATAGAAGACAATGAGAAGTCATACCATAACAATGACGACAACCTTCAGTCAGCAGCTGGCC
TTACTCCTCCACAGAATGCGCTTTATAACCAATCATAGCGACCAACC GCCACAAAACCTTCTCAGCAACACCAAA
TGTTACTACCTGTCCCATGGATGAAAAATTGCTATCTACTGTGTTAACCACATCCTACTCTGTTATTTTCATCGT
GGGACTGGTTGGGAACATAATCGCCCTCTATGTATTTCTGGGTATTACCGTAAAAGAAATTCCATTCAAATTTA
TCTACTTAACGTAGCCATTGCAGACCTCCTACTCATCTTCTGCCTCCCTTTCCGAATAATGTATCATATTAACCA
AAACAAGTGGACACTAGGTGTGATTCTGTGCAAGGTTGTGGGAACACTGTTTTATATGAACATGTACATTAGCAT
TATTTTGCTTGGATTTCATCAGTTTGGATCGCTATATAAAAATTAATCGGTCTATACAGCAACGGAAGGCAATAAC
AACCAAAACAAAGTATTTATGTCTGTTGTATAGTATGGATGCTTGCTCTTGTTGGATTCTTAACATGATTATTTT
AACACTTAAGAAAGGAGGGCATAATTCCACAATGTGTTTCCATTACAGAGATAAGCATAACGCAAAAGGAGAAGC
CATTTTTAACTTCATTCTTGTGGTAAATGTTCTGGCTAATTTTCTTACTAATAATCCTTTCATATATTAAGATTGG
GAAGAATCTATTGAGGATTTCTAAAAGGAGGTCAAATTTCCTAATCTGGTAAATATGCCACTACAGCTCGTAA
CTCCTTTATTGTACTTATCATTTTTACTATATGTTTTGTTCCCTATCATGCCTTTCGATTTCATCTACATTTCTTC
ACAGCTAAATGTATCATCTTGCTACTGGAAAGAAATTGTTACAAAACCAATGAGATCATGCTGGTTCTCTCATC
TTTCAATAGTTGCTTAGATCCAGTCATGTATTTCTGATGTCCAGTAACATTCGCAAAATAATGTGCCAACTTCT
TTTTAGACGATTTCAAGGTGAACCAAGTAGGAGTGAAAGCACTTCAGAATTTAAACCAGGATACTCCCTGCATGA
TACATCTGTGGCAGTGAAAATACAGTCTAGTTCTAAAAGTACTTGAGGTAAACATACTAAAATGAATTATATAAT
GCAGCCTCTTAATTCCTTGAAGAACTAAAAAATTAGGAAACAAGTTCTAGCATTTACAAAACCTCAGATCTCAAAG
CTCTGCTTGTATTTGTGATATTTCAATTTGCTTAACTGTAAACCATTTCAAGGTACTATCTTTTAAATCTGTATGT
AAAATCTTTTCAAATACATTTTAAAGCTAATACTCTTAACATAGATTATGAAGTTAAGTGAAATTTATGGCTCT
AACAGCAAAATAATTAAGTGCCATAGTTTCTCAAGTGACTAAAGTAGTTATTAAAAATCAAGCACTTGATACTAA
TTTGAAGTGTGTTTAAAGTAAATGATTTGGGAAGTGACAATGTGTGAGAAAATATATGTTTCAATTTATCATTTTA
AAATCTTGTATAATTTGCCACTGTATTCATTTATGCCTAAATCTCTATAACAGATGAAAAGATAATTAATAAAAT
CCTAATTAATAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6672/6881
FIGURE 6160

MRSHITITMTTTSVSSWPYSSHRMRFITNHSDQPPQNF SATPNVTTC PMDEKLLSTVLTTSSVIFIVGLVGNIIA
LYVFLGIHRKRNSIQIYLLNVAIADLLLIFCLPFRIMYHINQNKWTLGVILCKVVGTIFYMNMYSIILLGFISL
DRYIKINRSIQQRKAITTKQSIYVCCIVWMLALGGFLTMIILTLLKGGHNSTMCFHYRDKHNAKGEAIFNFILVV
MFWLIFLLIILSYIKIGKNLLRISKRRSKFPNSGKYATTARN SFIVLIIFTICFVPYHAFRFIYISSQLNVSSCY
WKEIVHKTNEIMLVLSSFNSCLDPVMYFLMSSNIRKIMCQLLFRRFQGEPSRSESTSEFKPGYSLHDTISVAVKIQ
SSSKST

6673/6881
FIGURE 6161

TTTCCGCGCTACCTACAGAGGGGTCCATATGGCGTTGTTCTGGATTCCCATCGTAACTTAAAGGGAACTTTTAC
AATGTCCGGAGCCCTTGATGTCCTGCAAATGAAGGAGGAGGATGTCCTTAAGTTCCATGCAGCAGGAACCCACTT
AGGCGGCACCAATCTTGACTTCCAGATGGAACAGTACATCTATAAAAGGAAAAGTGATGGCATCTATATCATAAA
TCTGAAGAGGACCTGGGAGAAGTTTCTGCTGGCAGCTCGTGCTGTTGTTGCCATTGAAAACCTGCTGATGTCAG
TGTTATATCCTCCGGGAATACTGGCCAGAGGGCTGTGCTGAAGTTGCTGCTGCCACTGGAGCCACTCCAATTGC
TGGCCACTTCACTCCTGGAACCTTCACTAACCAGATCCAGGCAGCCTTCCGGGAGCCACGGCTTCTTGTTGTTAC
TGACCCCAGGGCTGACCACCAGCCTCTCACGGAGTCATCTTATGTTAACCTACCTACCATTGCTCTGTGTAAACAC
AGATTCTCCTCTGCGCTATGTGGACATTGCAACAACAAGGGAGCTCACTCAGTGGGTTTTGATGTGGTGGATGCTG
GCTCGGGAAGTTCTGCGCATGCGTGGCACCATTTCCTGTTGACACCCATGGGAGGTCATGCCTGATCTCTACTTC
TACAGAGATCCTGAAGAGATTGAAAAAGAAGAGCAGGCTGCTGCTGAAAAGGCAGTGACCAAGGAGGAATTTTAC
GGTGAATGGACTGCTCCTGCTCCTGAGTTCACTGCCACTCAGCCTGAGGTTGCAGACTTGTCTGAAGGTGTACAG
GTGCCCTCTGTGCCTATTTCAGCAGTTCCCTACTGACGACTGGAGCACTCAGCCTGCCACGGAAAACTGGTCTGCA
GCTCCCACTGCTCAGGCCACTGAATGGGTAGGAGCAACCACTGACTGGTCTTAAGCTGTTCTTGATAGGCTCTT
AAGCAACATGGAAAAATGGTTGATGGAAAATAAACATCAGTTTCT

6674/6881
FIGURE 6162

MSGALDVLQMKEEDVLKFHAAGTHLGGTNLDFQMEQYIYKRKSDGIYIINLKRTWEKFLLAARAVVAIENPADVS
VISSGNTGQRAVLKFAAATGATPIAGHFTPGTFTNQIQAAFREPRLLVVTDPRADHQPLTESSYVNLPTIALCNT
DSPLRYVDIATTRELTQWV

FIGURE 6163

[illegible]

6676/6881
FIGURE 6164

MMGLSNLSPGPGPSQAVPLPEGLLRQRYREEKLEERRWERLEFLQRKKAFLRHVRRRHRDHMAPYAVGREARIS
PLGDRSQNRFRCECRYCQSHRPNLGIPGESNRAPHPSSWETLVQGLSGLTSLGTNQPGLPEAALQPQETEEK
RQRERQQESKIMFORLLKQWLEEN

6677/6881
FIGURE 6165

GGCACGAGGGTGGTTCGGAGCGCCGACTCCCTTCTCGTCGTCGCCATTTTGAGCTGGTGACTGTGGCCGGCTGGGA
GTAGGCGGCAGTGAGTTTCCCTGGGAGGGCAGCGCGCTTGGCGCTTCTCCCTCCCCCGATCTGCCTCCAGTCT
CGGACTTGTTGTTGCGCGCTCCGGCTCCGGCTGAGCTGGGAGAGTTGGAGGAGGTGGCGGCGGGCAGAGGTGAT
GTCTGGGAGCCCTTCCCTTGACAGCCCGGGCCGAGAAGAGTCCCTGCAGGAAGCATCACCCAGGCTGGCAGATCAT
GGTAGCAGCAGCGGGGTGGCTGGGAAGTGAACCGAGCCAGCGGCTGAGGAGGGGCCCCAGCAGCCCCGAAGG
CCCTATCAGGACATGGAGTATGAAAGACGTGGTGGTCTGGTGACAGGACTGGCCGCTATGGAGCCACTGACCGC
TCGCAGGATGATGGTGGGGAGAACCGCAGCCGAGACCAGACTACCGGGACATGGACTACCGTTTCATATCCTCGC
GAGTATGGCAGCCAGGAGGGCAAGCATGACTATGACGACTCATCTGAGGAGCAGAGTGCGGAGGATTCTACGAG
GCCTCCCCGGGCTCCGAGACTCAGCGTAGGCGGCGGGCGGCACAGGCACAGCCCCACCGGCCGCCAGGCTTC
CCCCGAGACGGCGACTATCGGGACCAGGACTATCGGACCGAGCAAGGGGAGGAGGAGGAGGAGGAGGATGAG
GAGGAGGAGGAGAAGGCCAGTAACATCGTCATGCTGAGGATGCTGCCACAGGCAGCCACTGAGGATGACATCCGT
GGCCAGCTGCAGTCGCACGGCGTGCAAGCACGGGAGGTTGGGCTGATGCGGAACAAATCTTCAGGTACAGCCGG
GGCTTCGCCTTCGTGCGAGTTTAGTCACCTGCAGGACGCTACACGATGGATGGAAGCCAATCAGCACTCCCTCAAC
ATCCTGGGCCAGAAGGTGTCGATGCACTACAGTGACCCCAAGCCCAAGATCAATGAGGACTGGCTGTGCAATAAG
TGTGGCGTCCAGAAGTTCAAACGCCGAGAGAAGTGCTTCAAATGTGGCGTGCCCAAGTCAGAGGCAGAGCAGAAG
CTGCCCCTCGGCACGAGGCTGGATCAGCAGACACTGCCACTGGGTGGCCGGGAGCTGAGCCAGGGCCTGCTTCCC
CTGCCGACGCCCTACCAGGCCAGGGAGTCCCTGGCCTCCCAAGCCCTGTACAGGGCTCGGAGCCAAGCTCAGAG
AACGCCAATGACACCATCATTTTGCAGAACCTGAACCCACACAGCACCATTGGATTCCATCCTGGGGGCCCTGGCA
CCCTACGCGGTGCTGTCTCTCCTCCAACGTGCGCGTCAATAAGGACAAGCAGACCCAACTGAACCGCGGCTTTGCC
TTCATCCAGCTCTCCACCATCGTGGAGGCAGCCAGCTGCTGCAGATCCTGCAGGCCCTGCACCCACCACTCACT
ATCGACGGCAAGACCATCAATGTTGAGTTTGCCAAGGGTTCTAAGAGGGACATGGCCTCCAATGAAGGCAGTCGC
ATCAGTGCTGCCTCTGTGGCCAGCACTGCCATTGCTGCGGCCAGTGGGCCATCTCACAGGCCTCCCAAGGTGGG
GAGGGTACCTGGGGCACCTCCGAGGAGCCGCGGTGACTACAGCTACTACCAACAGGATGAGGGCTATGGCAAC
AGCCAGGGCACAGAGTCTTCCCTCTATGCCCATGGCTACCTCAAGGGCACCAAGGGCCCTGGCATCACTGGAACC
AAAGGGGATCCCACTGGAGCAGGTCCCGAGGCCTCCCTAGAGCCTGGGGCCGACTCTGTGTGATGCAGGCTTTC
TCTCGCGCCAGCCTGGTGCTGCTCCTGGCATCTACCAACAATCAGCCGAGGCGAGCAGTAGCCAGGGCACTGCT
GCCAACAGCCAGTCGTATACCATCATGTACCCGCTGTGCTCAAATCTGAGCTCCAGAGCCCTACCCATCCTAGT
TCTGCTCTCCACCGGCTACCAGCCCCACTGCCAGGAATCCTACAGCCAGTACCCTGTTCCCGACGTCTCTACC
TACCAGTACGATGAGACCTCCGGCTACTACTATGACCCCAAGACCGGCTCTACTATGACCCCAACTCCAGTAT
TACTACAATGCTCAGAGCCAGCAGTACCTGTACTGGGATGGGGAGAGGCGGACCTATGTTCCCGCCCTGGAGCAG
TCGGCCGACGGACATAAGGAGACAGGGGCACCCTCGAAGGAGGGCAAAGAGAAAGAGGAGAAGCACAAGACCAAG
ACAGCTCAACAGATTGCCAAGGACATGGAACGCTGGGCCCGCAGTCTCAACAAACAAAAAGAAACTTCAAAAAT
AGCTTCCAGCCTATCAGCTCCCTGCGAGATGACGAGAGGCGGGAGTCAGCCACTGCAGATGCTGGCTATGCCATC
CTCGAGAAGAAGGGAGCACTAGCCGAGAGACAGCACACCAGCATGGATCTCCCGAAATTGGCCAGTGACGACCGC
CCAAGCCCTCCGCGAGGACTGGTGGCAGCCTACAGCGGGGAGAGTGACAGTGAGGAGGAGCAGGAGCGTGGGGGC
CCTGAGCGGGAGGAGAAGCTCACCGACTGGCAGAAGCTGGCCTGTCTGCTCTGCCGACGCCAGTTCCTCCAGCAA
GAGGCGCTCATCCGGCACACGAGCAGCTCTCAGGGCTCCACAAGCAAAACCTTGAGATTACCGGCGAGCCCACTTG
TCAGAAAACGAGCTAGAAGCACTAGAGAAGAATGACATGGAGCAAATGAAGTACCGGGACCGTGCAGCTGAACGC
AGAGAAAAGTATGGCATCCCCGAGCCGCCAGAGCCCAAGAGGAGGAAGTACGGCGGCATATCCACAGCCTCTGTA
GACTTCGAGCAGCCTACTCGGGACGGGCTGGGCAGTGACAACATTGGCAGTCGGATGCTGCAGGCCATGGGCTGG
AAAGAGGGCAGCGGCTGGGCCGCAAGAAGCAGGGCATTGTAACGCCTATCGAGGCCCAACACGGGTGCGGGGC
TCCGGCCTGGGTGCACGGGGCAGCTCCTACGGGGTACCTCAACCGAGTCTTACAAGGAGACACTGCACAAGACA
ATGGTGACCCGCTTCAACGAGGCCCACTGAGCAGCTTCAAGAGCAACTTCTCCACATGTTGGGTGTCCATCCTGG
GGCAGGGAAGGACAGAGTGTGGATGGCTGGGACGGGGCCTTGTCTTGTGCGCCAGCCCACTCCCGAGCCAGAG
AGGGCTTGACCAAAATCAAATTGAGGTGGTGACTTTTGTGGAAAATTGGGCTGGGATCACGTCTGTTTTGTAAT
AAAAGCTGAAAAGTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6678/6881
FIGURE 6166

MEYERRGGRGDRGTGRYGATDRSQDDGGENRSRDHDYRDMDYRSYPREYGSQEGKHDYDDSSSEEQSAEDSYEASPG
SETQRRRRRRHRHSPTGPPGFPRDGDYRDQDYRTEQGEEEEEEEEDEEEEEKASNIVMLRMLPQAATEDDIRGQLQ
SHGVQAREVRLMRNKSSGQSRGFAFVEFSLQDATRWMEANQHSLNILGQKVMHYSDPKPKINEDWLCNKCQVQ
NFKRREKCFKCGVPKSEAEQKLPLGTRLDQQTLPPLGGRELSQGLLPLPQPYQAQGVLASQALSQGSEPSSENAND
TIILRNLPNSTMDSILGALAPYAVLSSSNVRVIKDKQTQLNRGFAFIQLSTIVEAAQLLQILQALHPPLTIDGK
TINVEFAKGSKRDMASNEGSRISAASVASTAIAAAQWAI SQASQGGEGTWATSEEPVDYSYYQQDEGYGNSQGT
ESSLYAHGYLKGTKGPGITGTKDPTGAGPEASLEPGADSVSMQAFSRAQPGAAPGIYQQSAEASSSQGTAANSQ
SYTIMSPAVLKSELQSPHPSSALPPATSPTAQESYSQYPVPDVSTYQYDETSYGYYPQDTGLYYDPNSQYYNA
QSQQYLYWDGERRTYVPALEQSADGHKETGAPSKEGKEKKEKHKTKTAQQIAKDMERWARSLNKQKENFKNSFQP
ISSLRDDEERRESATADAGYAILEKKGALAERQHTSMDLPKLASDDRPSPPRGLVAAYSGESDSEEEQERGGERE
EKLTDWQKLACLLCRRQFPSKEALIRHQQLSGLHKQNL EIHRRHLSENELEALEKNDMEQMKYRDRAAERREKY
GIPEPPEPKRRKYGGISTASVD FEQPTRDGLGSDNIGSRMLQAMGWKEGSGLGRKKQGIVTPIEAQTRVRGSGLG
ARGSSYGVSTESTESYKETLHKTMVTRFNEAQ

6679/6881
FIGURE 6167

TGGCGGCGGCGCGACCCGGGGAACCGGCATTGATGTCCAGCTCGCCGCTGTCCAAGAAACGTCGCGTGTCCGGGC
CTGATCCAAAGCCGGGTTCTAACTGCTCCCCTGCCAGTCCGTGTTGTCCGAAGTGCCCTCGGTGCCAACCAACG
GAATGGCCAAGAACGGCAGTGAAGCAGACATAGACGAGGGCCTTTACTCCCGGCAGCTGTATGTGTTGGGCCATG
AGGCAATGAAGCGGCTCCAGACATCCAGTGTCTTGGTATCAGGCCTGCGGGGCTGGGCGTGGAGATCGCTAAGA
ACATCATCCTTGGTGGGGTCAAGGCTGTTACCCTACATGACCAGGGCACTGCCAGTGGGCTGATCTTTCTCC
AGTTCTACCTGCGGGAGGAGGACATCGGTAAAAACCGGGCCGAGGTATCACAGCCCCGCTCGCTGAGCTCAACA
GCTATGTGCCTGTCACTGCCTACACTGGACCCCTCGTTGAGGACTTCCTTAGTGGTTTCCAGGTGGTGGTGCTCA
CCAACACCCCCCTGGAGGACCAGCTGCGAGTGGGTGAGTTCTGTACAACCGTGGCATCAAGCTGGTGGTGGCAG
GCACGCGGGGCTGTTTGGGCAGCTCTTCTGTGACTTTGGAGAGGAAATGATCCTCACAGATTCCAATGGGGAGC
AGCCACTCAGTGTATGTTTTCTATGTTACCAAGGACAACCCCGGTGTGGTTACCTGCCTGGATGAGGCCCGAC
ACGGGTTTGAGAGCGGGGACTTTGTCTCCTTTTTCAGAAGTACAGGGCATGGTTGAACCTCAACGGAAATCAGCCCA
TGGAGATCAAAGTCTTGGGTCCTTATACCTTTAGCATCTGTGACACCTCCAACCTTCTCCGACTACATCCGTGGAG
GCATCGTCAGTCAGGTCAAAGTACCTAAGAAGATTAGCTTTAAATCCTTGGTGGCCTCACTGGCAGAACCTGACT
TTGTGGTGACGGACTTCGCCAAGTTTTCTCGCCCTGCCAGCTGCACATTGGCTTCCAGGCCCTGCACCAGTTCT
GTGCTCAGCATGGCCGGCCACCTCGGCCCGCAATGAGGAGGATGCAGCAGAACTGGTAGCCTTAGCACAGGCTG
TGAATGCTCGAGCCCTGCCAGCAGTGCAGCAAAATAACCTGGACGAGGACCTCATCCGGAAGCTGGCATATGTGG
CTGCTGGGGATCTGGCACCCATAAACGCCTTCAATTGGGGGCTGGCTGCCAGGAAGTCATGAAGGCTGCTCCG
GGAAGTTTCATGCCCATCATGCAGTGGCTATACTTTGATGCCCTTGAGTGTCTCCCTCAGGACAAAGAGGTCTCA
CAGAGGACAAGTGCTCCAGCGCCAGAACCCTTATGACGGCAAGTGGCTGTGTTTGGCTCAGACCTGCAAGAGA
AGCTGGGCAAGCAGAAAGTATTTCTTGGTGGGTGCGGGGGCCATTGGCTGTGAGCTGCTCAAGAACTTTGCCATGA
TTGGGCTGGGCTGCGGGGAGGTTGGAGAAATCATCGTTACAGACATGGACACCATTGAGAAGTCAAATCTGAATC
GACAGTTTCTTTTCCGGCCCTGGGATGTACGAAGTTAAAGTCTGACACGGCTGCTGCAGCTGTGCGCCAAATGA
ATCCACATATCCGGGTGACAAGCCACCAGAACCGTGTGGGTCTGACACGGAGCGCATCTATGATGACGATTTTT
TCCAAAACCTAGATGGCGTGGCCAATGCCCTGGACAACGTGGATGCCCGCATGTACATGGACCGCCGCTGTGTCT
ACTACCGGAAGCCACTGCTGGAGTCAGGCACACTGGGCACCAAAGGCAATGTGCAGGTGGTGATCCCCCTTCTGA
CAGAGTCGTACAGTTCCAGCCAGGACCCACCTGAGAAGTCCATCCCCATCTGTACCCTGAAGAACTTCCCTAATG
CCATCGAGCACACCCTGCAGTGGGCTCGGGATGAGTTTGAAGGCCTCTTCAAGCAGCCAGCAGAAAATGTCAACC
AGTACCTCACAGACCCCAAGTTTGTGGAGCGAACACTGCGGCTGGCAGGCACTCAGCCCTTGGAGGTGCTGGAGG
CTGTGCAGCGCAGCCTGGTGTGCAGCGACCACAGACCTGGGCTGACTGCGTGACCTGGGCTGCCACCCTGGC
ACCCAGTACTCGAACAACATCCGGCAGCTGCTGCACAACTTCCCTCCTGACCAGCTCACAAGCTCAGGAGCGC
CGTTCTGGTCTGGGCCCCAACGCTGTCCACACCCTGCTACCTTTGATGTCAACAATCCCCCTGCATCTGGACTATG
TGATGGCTGCTGCCAACCTGTTTGGCCAGACCTACGGGCTGACAGGCTCTCAGGACCGAGCTGCTGTGGCCACAT
TCCTGCAGTCTGTGCAGGTCCCCGAATTCACCCCCAAGTCTGGCGTCAAGATCCATGTTTCTGACCAGGAGCTGC
AGAGCGCCAATGCCTCTGTTGATGACAGTCGTCTAGAGGAGCTCAAAGCCACTCTGCCCAGCCCAGACAAGCTCC
CTGGATTCAAGATGTACCCATTGACTTTGAGAAGGATGATGACAGCAACTTTCATATGGATTTCATCGTGGCTG
CATCCAACCTCCGGGCAGAAAATATGACATTCTTCTGCAGACCGGCACAAGAGCAAGCTGATTGCAGGGAAGA
TCATCCCAGCCATTGCCACGACCACAGCAGCCGTGGTTGGCCTTGTGTGTCTGGAGCTGTACAAGGTTGTGCAGG
GGCACCAGACAGCTTGACTCCTACAAGAATGGTTTCTCAACTTGGCCCTGCCTTTCTTTGGTTTCTCTGAACCCC
TTGCCGACACAGTCACCAGTACTATAACCAAGAGTGGACATTGTGGGATCGCTTTGAGGTACAAGGGCTGCAGC
CTAATGGTGAGGAGATGACCCCTCAAACAGTTCCTCGACTATTTTAAGACAGAGCACAAATTAGAGATCACCATGC
TGTCCCAGGGCGTGTCCATGCTCTATTCTTCTTCATGCCAGCTGCCAAGCTCAAGGAACGGTTGGATCAGCCGA
TGACAGAGATTGTGAGCCGTGTGTGGAAGCGAAAGCTGGGCGGCCACGTGCGGGCGCTGGTGGCTTGGCTGTGCT
GTAACGACGAGAGCGGCGAGGATGTGAGGTTCCCTATGTCCGATACACCATCCGCTGACCCCCGTCTGCTCTCT
AGGCTGGCCCCCTTGTCCACCCCTCTCCACACCCCTTCCAGCCAGGGTTCCCATTTGGCTTCTGGCAGTGGCCCCA
ACTAGCCAAGTCTGGTGTTCCTCATCATCCCCCTACCTGAACCCCTCTTGCCACTGCCTTCTACCTTGTTTGAA
ACCTGAATCCTAATAAAGAATTAATAACTCCCAAAAAAAAAAAAA

6680/6881
FIGURE 6168

MSSSPLSKKRRVSGPDPKPGSNCSQAQSVLSEVPSVPTNGMAKNGSEADIDEGLYSRQLYVLGHEAMKRLQTSSV
LVSGLRGLGVEIAKNIILGGVKAVTLHDQGTAWADLSSQFYLREEDIGKNRAEVSQPRLAELNSYVPVTAYTGP
LVEDFLSGFQVVVLNTNPLEDQLRVGEFCHNRGIKLVVAGTRGLFGQLFCDFGEEMILTDSNGEQPLSAMVSMVT
KDNPGVVTCLDEARHGFESEGDFVSFSEVQGMVELNGNQPMIEIKVLGPYTFISICDTSNFSYIRGGIVSQVKVPKK
ISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQFCAQHGRPPRPRNEEDAAELVALAQAVNARALPAVQQ
NNLDEDLIRKLAYVAAGDLAPINAFIGGLAAQEVKACSGKFMPIMQWLYFDALECLPQDKEVLTEDEKCLQRQNR
YDQVAVFGSDLQEKLGKQKYFLVGAGAIGCELLKNFAMIGLGCGEIIVTDMDTIEKSNLNRQFLFRPVDVT
KLKSDTAAAVRQMNPHIRVTSNQNRVGPDTERTYDDDFQNLGVANALDNVDARMYMDRRCVYYRKPLLESGT
LGTKGNVQVVIPFLTESYSSSQDPPEKSIPICTLKNFPNAIEHTLQWARDEFEGFLFKQPAENVNQYLTDPKFVER
TLRLAGTQPLEVLEAVQSLVLQRPQTWADCVTWACHHWHWTQYSNNIRQLLHNFPDQLTSSGAPFWSGPKRCPH
PLTFDVNNPLHLDYVMAAANLFAQTYGLTGSQDRAAVATFLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSR
LEELKATLPSPDKLPGFKMYPIDFEKDDDSNFHMDFIVAASNLRANENYDIPSADRHKSKLIAGKIIPAIATTTAA
VVGLVCELYKVVQGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYYNQEWTLWDRFEVQGLQPNGEEMTLKQF
LDYFKTEHKLEITMLSQGVSMLYSFFMPAAKLKERLDQPMTEIVSRVSKRKLGRHVRLVLELCCNDESGEDVEV
PYVRYTIR

6681/6881
FIGURE 6169

CAGCTGCTGCTGCGGCGGCTGTGGCGGCGGCAGCGGCGGTGACTGAGGATAGAGAGCCACAGCACGAGGAGCTGC
CAGGCCTGGACAGCCAGTGGCGCCAGATAGAAAACGGCGAGAGTGGGCGAGAACGTCCACTGCGGGCCGGCGAAA
GCTGGTTCCCTTGTGGAGAAGCACTGGTATAAGCAGTGGGAGGCATACGTGCAGGGAGGGGACCAGGACTCCAGCA
CCTTCCCTGGCTGCATCAACAATGCCACACTCTTTCAAGATGAGATAAACTGGCGCCTCAAGGAGGGACTGGTGG
AAGGCGAGGATTATGTGCTGCTCCCAGCAGCTGCTTGGCATTACCTGGTCAGCTGGTATGGTCTAGAGCATGGCC
AGCCACCCATTGAACGCAAGGTCATAGAGCTGCCCAACATCCAGAAGGTCGAAGTGTACCCAGTAGAACTGCTGC
TTGTCCGGCACAATGATTTGGGCAAATCTCACACTGTTTCAGTTCAGCCATACCGATTCTATTGGCCTAGTATTGC
GCACAGCTCGGGAGCGGTTTCTGGTGGAGCCCCAGGAAGACACTCGGCTTTGGGCAAGAACTCAGAAGGCTCTT
TGGATAGGTTGTATGACACACACATCACGGTTCTCGATGCGGCCCTTGAGACTGGGCAGTTGATCATCATGGAGA
CCCAGCAAGAAAGATGGCACTTGGCCAGCGCACAGCTGCATGTCATGAACAACAACATGTCGGAAGAGGATGAGG
ACTTCAAGGGTCAGCCAGGCATCTGTGGCCTCACCAATCTGGGCAACACGTGCTTCATGAACTCGGCCCTGCAGT
GCCTCAGCAATGTGCCACAGCTCACCGAGTACTTCTCAACAACCTGCTACCTGGAGGAGCTCAAACTTCCGCAACC
CACTGGGCATGAAGGGTGAGATCGCAGAGGCCATATGCAGACCTGGTGAAGCAGGCGTGGTCTGGCCACCACCGCT
CCATTGTGCCACATGTGTTCAAGAACAAGGTTGGCCATTTTGCATCCCAATTTCTGGGCTACCAGCAGCATGACT
CTCAGGAGCTGCTGTCTATTCTCTGGACGGGCTGCATGAGGACCTTAATCGGGTGAAAGAAGAGGAGTATGTGG
AGCTGTGCGATGCTGCTGGGCGACCGGATCAGGAGGTGGCACAGGAGGCATGGCAAAAACCACAAACGGCGGAACG
ATTCTGTGATCGTGGACACTTTCCACGGCCTCTTCAAGTCCACGCTGGTGTGCCCCGATTGTGGCAATGTATCTG
TGACCTTCGACCCCTTCTGCTACCTCAGTGTTCACCTGCCTATCAGCCACAAGAGGGTCTTGGAGGTCTTCTTTA
TCCCCATGGATCCGCGCCGCAAGCCAGAGCAGCACCGGCTCGTGGTCCCCAAGAAAGGCAAGATCTCGGATCTAT
GTGTGGCTCTGTCCAAACACACGGGCATCTCGCCAGAGAGGATGATGGTGGCTGATGTCTTCAGTCACCGCTTCT
ATAAGCTCTATCAGCTAGAGGAGCCTCTGAGCAGCATCTTGGACCGTGATGATATCTTCGTCTATGAGGTGTCAG
GTCGCAATTGAGGCCATTGAGGGCTCAAGAGAGGACATCGTGGTTCCTGTCTACCTGCGGGAGCGCACCCCTGCC
GTGACTACAACAACCTCTACTACGGCCTGATGCTTTTGGACACCCCTCCTGGTATCAGTGCCCCGGGACCGCT
TCACCTGGGAGGGCCTGTATAACGTCTGATGTACCGGCTCTCACGCTACGTGACCAAACCAACTCAGATGATG
AGGACGATGGGGATGAGAAAGAAGATGACGAGGAGGATAAAGATGACGTCCCTGGGCCCTCAACTGGGGGCGAGCC
TCCGAGACCCCTGAGCCAGAGCAGGCTGGGCCCAGCTCTGGAGTCACGAACAGGTGCCCGTTCTCTCTGGACAATT
GCCTTGGCACATCTCAGTGGCCCCCAAGGCGACGACGCAAGCAGCTGTTTACCCTGCAGACGGTGAACCTCAATG
GGACCAGCGACCGCACAACTCCCTGAAGAAGTCCATGCCAGCCGTACATTGCTATCGACTGGGAGCCAGAGA
TGAAGAAGCGTTACTATGACGAGGTAGAGGCTGAGGGCTACGTGAAGCATGACTGCGTCGGGTACGTGATGAAGA
AGGCTCCCGTGCGGCTGCAGGAGTGCATTGAGCTCTTACCCTGTGGAGACCCCTGGAGAAGGAAAACCCCTGGT
ACTGCCCTTCTGCAAGCAGCACCAGCTGGCAACCAAGAAGCTGGACCTGTGGATGCTGCCGGAGATTCTCATCA
TCCACCTGAAACGCTTTTCTACACCAAGTTCTCCGAGAGAAGCTGGACACCCCTCGTGGAGTTTCTATCCGGG
ACCTGGACTTCTCTGAGTTTGTCTATCCAGCCACAGAATGAGTCGAATCCGGAGCTGTACAAATATGACCTCATCG
CGGTTTCCAACCATTAAGGGGCGATGCGTGATGGACACTACACAACATTTGCCTGCAACAAGGACAGCGGCCAGT
GGCACTACTTTGATGACAACAGCGTCTCCCTGTCAATGAGAATCAGATCGAGTCCAAGGCAGCCTATGTCTCT
TCTACCAACGCCAGGACGTGGCGCGACGCTGTGTCCCCGGCCGGCTCATCTGGCGCCCCAGCCTCCCTGCCT
GCAGCTCCCCACCCAGCTCTGAGTTCATGGATGTTAATTGAGAGCCCTGGGTCTTGCCACAGAAAAAAAAAAAA
AAAGCCCTCTCTGCAATCTCGCTTCTCGTGTCCGCCCCGCTTCTCTTATTCTGTGTTAGGTGCCCCCGCCAGGCAT
TGCAGGCTTAGTCTGGCTACTGTTCTCTGTGCCGCTGCATCGCTCTCTCCCGGGAAGAAGAGGTCTGTCTC
CTCCTAGCAGTGCAGCGCCCCGCTGTGTTTGCCTTCCAGCAGTGACCTCCCTTCTAGTCTTTATTTATGGTCG
TGCCCTTCCCTCTCCTCAGCCAGAGTGTCTGCGTGGGTGGTGATGGGGGTTACCTGAACACAGAGTGTATTT
TCTTATTGAGGCCCTGTACCTTCTGCTGTGTGTGTATATATAAAGCACCAGTCTGCTCCCC

6682/6881
FIGURE 6170

TGACCCAATAAGGGTGGAAAGGCTGAGTCCCGCAGAGCCAATAACGAGAGTCCGAGAGGCGACGGAGGCGGACTCT
GTGAGGAAACAAGAAGAGAGGCCCCAAGATGGAGACGGCGGCGGCTGTAGCGGCGTGACAGTGAAGCTGAGACCTT
GGCACTCAAGAGTGAGACAAGCAACAGGAGGGCCCTGAGCAGAGAAGGAACTGGAAGGACTTCAGATGTGAGCAGG
ATCTCTTGGACTGTGCTGTGAAAATTAGGCTGCAGGGGGCGACAGGAGCCTGGACTTTGAATTTTATTTTGTCCC
CTGCCACTTTGCTTCTAGACTATCATTATTGGACCTCTGAATTCTTGTCTGCCTTCTTGTAGGAGCCCCATGGCA
CCTGCCCAGCCCCACCTCAGCCCATCTTGACAAAATCTAAGGCTCCATGGAGCCACCACGGGGCCCCCTGCCAA
TGGGGCCGAGCCATCCCGGGCAGTGGGCACCGTCAAAGTATACCTGCCCAACAAGCAACGCACGGTGGTGACTGT
CCGGGATGGCATGAGTGTCTACGACTCTCTAGACAAGGCCCTGAAGGTGCGGGGTCTAAATCAGGACTGCTGTGT
GGTCTACCGACTCATCAAGGGACGAAAGACGGTCACTGCCTGGGACACAGCCATTGCTCCCCTGGATGGCGAGGA
GCTCATTGTGCGAGGTCTTGAAGATGTCCCGCTGACCATGCACAATTTGTACGGAAGACCTTCTTCAGCCTGGC
GTTCTGTGACTTCTGCCTTAAGTTTCTGTTCCATGGCTTCCGTTGCCAAACCTGTGGCTACAAGTTCCACCAGCA
TTGTTCTCCAAGGTCCCCACAGTCTGTGTTGACATGAGTACCAACCGCCAACAGCCCTCAAGGTTCTACCACAG
TGTCCAGGATTTGTCCGGAGGCTCCAGACAGCATGAGGCTCCCTCGAACCGCCCCCTGAATGAGTTGCTAACCCC
CCAGGGTCCCAGCCCCCGCACCCAGCACTGTGACCCGGAGCACTTCCCCTTCCCTGCCCCAGCCAATGCCCCCT
ACAGCGCATCCGCTCCACGTCCACTCCCAACGTCCATATGGTCAGCACCACGGCCCCCATGGACTCCAACCTCAT
CCAGCTCACTGGCCAGAGTTTTCAGCACTGATGCTGCCGGTAGTAGAGGAGGTAGTGATGGAACCCCCCGGGGAG
CCCCAGCCCAGCCAGCGTGTCTCGGGGAGGAAGTCCCCACATTCCAAGTCACCAGCAGAGCAGCGGAGCGGAA
GTCCTTGGCCGATGACAAGAAGAAAGTGAAGAACTGGGGTACCGGGACTCAGGCTATTACTGGGAGGTACCACC
CAGTGAGGTGCAGCTGCTGAAGAGGATCGGGACGGGCTCGTTTGGCACCCTGTTTCGAGGGCGGTGGCATGGCGA
TGTGGCCGTGAAGGTGCTCAAGGTGTCCCAGCCACAGCTGAGCAGGCCCAGGCTTTCAAGAATGAGATGCAGGT
GCTCAGGAAGACGCGACATGTCAACATCTTGCTGTTTATGGGCTTCATGACCCGGCCGGGATTGCCATCATCAC
ACAGTGGTGTGAGGGCTCCAGCCTCTACCATCACCTGCATGTGGCCGACACACGCTTCGACATGGTCCAGCTCAT
CGACGTGGCCCCGGCAGACTGCCCAGGGCATGGACTACCTCCATGCCAAGAACATCATCCACCAGATCTCAAGTC
TAACAACATCTTCTACATGAGGGGCTCACGGTGAAGATCGGTGACTTTGGCTTGGCCACAGTGAAGACTCGATG
GAGCGGGGGCCAGCCCTTGGAGCAGCCCTCAGGATCTGTGCTGTGGATGGCAGCTGAGGTGATCCGTATGCAGGA
CCCGAACCCCTACAGCTTCCAGTCAGACGTCTATGCCTACGGGGTGTGCTCTACGAGCTTATGACTGGCTCACT
GCCTTACAGCCACATTGGCTGCCGTGACCAGATTATCTTTATGGTGGGCGGTGGCTATCTGTCCCCGGACCTCAG
CAAAATCTCCAGCAACTGCCCCAAGGCCATGCGGCGCCTGCTGTCTGACTGCCTCAAGTTCCAGCGGGAGGAGCG
GCCCCCTTCCCCCAGATCCTGGCCACAATTGAGCTGCTGCAACGGTCACTCCCCAAGATTGAGCGGAGTGCCTC
GGAACCTCTCTTGACCCGACCCAGGCCGATGAGTTGCCTGCCTGCTACTCAGCGCAGCCCGCCTTGTGCCTTA
GGCCCCGCCCAAGCCACCAGGGAGCCAATCTCAGCCCTCCACGCCAAGGAGCCTTGCCCACCAGCCAATCAATGT
TCGTCTCTGCCCTGATGCTGCCTCAGGATCCCCATTCCCCACCCTGGGAGATGAGGGGGTCCCCATGTGCTTTT
CCAGTTCTTCTGGAATTGGGGGACCCCCGCCAAAGACTGAGCCCCCTGTCTCCTCCATCATTGGTTTCTCTTG
GCTTTGGGGATACTTCTAAATTTTGGGAGCTCTCCATCTCCAATGGCTGGGATTGTGGCAGGGATTCCACTCA
GAACCTCTCTGGAATTTGTGCCTGATGTGCCTTCCACTGGATTTTGGGGTCCCGACCCCCATGTGGATTTTGG
GGGGTCCCTTTTGTGTCTCCCCGCCATTCAAGGACTCTCTCTTTCTTACCAAGAAGCACAGAATTCTGCTGG

6683/6881
FIGURE 6171

MEPPRGPPANGAEPsRAVGTVKVYLPNKQRTVVTVRDGMSVYDSLDKALKVRGLNQDCCVVYRLIKGRKTVTAWD
TAIAPLDGEELIVEVLEDVPLTMHNFVRKTFFSLAFCDCLKFLFHGFRQCQTCGYKFHQHCSSKVPTVCVDMSTN
RQQPSRFYHSVQDLGGSRQHEAPSNRPLNELLTPQGSPSPRTQHCDPEHFFFPAPANAPLQRIIRSTSTPNVHMVS
TTAPMDSNLIQLTGQSFSTDAAGSRGSGSDGTPRGSPSPASVSSGRKSPHSKSPAERERKSLADDDKKVKNLGYR
DSGYWVEVPPSEVQLLKRI GTGSFGTVFRGRWHGDVAVKVLKVSQPTAEQAQAFKNEMQVLRKTRHVNILLFMGF
MTRPGFAIITQWCEGSSLYHHLHVADTRFDMVQLIDVARQTAQGMDYLHAKNI IHRDLKSNNIFLHEGLTVKIGD
FGLATVKTRWSGAQPLEQPSGSLWMAAEVIRMQDPNPYSFQSDVYAYGVVLYELMTGSLPYSHIGCRDQIIFMV
GRGYLSPDL SKISSNCPKAMRRLSDCLKFQREERPLFPQILATIELLQSRSLPKIERSASEPSLHRTQADELPAC
LLSAARLVP

6684/6881
FIGURE 6172

CATCGCCGCAGATCCAGCGCCCAGAGAGACACCAGAGAACCCACCATGGCCCCCTTTGAGCCCCTGGCTTCTGGC
ATCCTGTTGTTGCTGTGGCTGATAGCCCCAGCAGGGCCTGCACCTGTGTCCCACCCACCCACAGACGGCCTTC
TGCAATTCCGACCTCGTCATCAGGGCCAAGTTCGTGGGGACACCAGAAGTCAACCAGACCACCTTATACCAGCGT
TATGAGATCAAGATGACCAAGATGTATAAAGGGTTCCAAGCCTTAGGGGATGCCGCTGACATCCGGTTCGTCTAC
ACCCCGCCATGGAGAGTGTCTGCGGATACTTCCACAGGTCCACAACCGCAGCGAGGAGTTTCTCATTGCTGGA
AAACTGCAGGATGGACTCTTGACATCACTACCTGCAGTTTTGTGGCTCCCTGGAACAGCCTGAGCTTAGCTCAG
CGCCGGGGCTTCACCAAGACCTACACTGTTGGCTGTGAGGAATGCACAGTGTTTCCCTGTTTATCCATCCCCTGC
AAACTGCAGAGTGGCACTCATTGCTTGTGGACGGACCAGCTCCTCCAAGGCTCTGAAAAGGGCTTCCAGTCCCGT
CACCTTGCTGCTGCTCGGGAGCCAGGGCTGTGCACCTGGCAGTCCCTGCGGTCCCAGATAGCCTGAATCCTG
CCCGGAGTGGAAGCTGAAGCCTGCACAGTGTCACCCTGTTCCCACTCCCATCTTTCTTCCGGACAATGAAATAA
AGAGTTACCACCCAGC

6685/6881
FIGURE 6173

ACATTGGGCTCCTCCTCCTCGGGCCACGTGAGCTGTAGGGAAACGCAGGGGCGGCTTCTAGGTGCTGCCGCCGC
CACCGCCACCACCACCTCCACCGCCGCTCGGAACCCAGGCCTGGGGGGCGGTGGGGCCGCGTATGGAGCCCCCG
CCCCCGGAGCTGCCAACATTGCCAACGCCACCGCCACGCTACACACAGGTACCCCTGGGATGGCGTGAGCACTC
CCCCAGCGATGGACCCATCTGTGACGCTGTGGCAGTTTCTGCTGCAGCTGCTGAGAGAGCAAGGCAATGGCCACA
TCATCTCCTGGACTTCACGGGATGGTGGTGAATTCAAGCTGGTGGATGCAGAGGAGGTGGCCCCGGCTGTGGGGGC
TACGCAAGAACAAGACCAACATGAATTACGACAAGCTCAGCCGGGCCTTGCGGTACTACTATGACAAGAACATCA
TCCGCAAGGTGAGCGGCCAGAAGTTCGTCTACAAGTTTGTGTCTACCCCTGAGGTGCGAGGGTGTCTCACTGAGG
ACTGCCCCCCCCAGCCAGAGGTGTCTGTTACCTCCACCATGCCAAATGTGGCCCCCTGTCTATACATGCCGCC
CAGGGGACACTGTCTCTGGAAGCCAGGCACACCCAAGGGTGCAGGAATGGCAGGCCCCAGGCGGTTTGGCACGCA
GCAGCCGGAACGAGTACATGCGCTCGGGCCTCTATTCCACCTTACCATCCAGTCTCTGCAGCCGCAGCCACCCC
CTCATCTCTCGGCCTGCTGTGGTGTCTCCCAAGTGCAGCTCCTGCAGGGGCAGCAGCGCCCCCTCGGGGAGCAGGA
GCACCAAGTCCAAGCCCCCTGGAGGCCTGTCTGGAGGCTGAAGAGGCCGCTTGCCTCTGCAGGTATCTTGACCC
CGCCCCGAGGCCCAAACCTGAAATCGGAAGAGCTTAATGTGGAGCCGGGTTTGGGCCGGGCTTTGCCCCAGAAG
TGAAAGTAGAAGGGCCCAAGGAAGAGTTGGAAGTTGCGGGGAGAGAGGGTTTGTGCCAGAAACCACCAAGGCCG
AGCCAGAAGTCCCTCCACAGGAGGGCGTGCCAGCCCGGCTGCCCGCGGTTGTTATGGACACCGCAGGGCAGGCGG
GCGGCCATGCGGCTTCCAGCCCTGAGATCTCCAGCCGCAGAAGGGCCGAAGCCCCGGGACCTAGAGCTTCCAC
TCAGCCCGAGCCTGTAGGTGGGCCGGGACCCGAACGGACCCAGGATCGGGAAGTGGCTCCGGCCTCCAGGCTC
CGGGGCCGGCGCTGACCCCATCCCTGCTTCTACGCATACATTGACCCCGGTGCTGCTGACACCCAGCTCGCTGC
CTCCTAGCATTCACTTCTGGAGCACCTGAGTCCATTGCGCCCCGTAGCCCGGCCAAGCTCTCCTTCCAGTTTC
CATCCAGTGGCAGCGCCAGGTGCACATCCCTTCTATCAGCGTGGATGGCCTCTCGACCCCCGTGGTGTCTCTCC
CAGGGCCCCAGAAGCCATGACTACTACCACCACCACCACCACCCCTTCTGGGGTCACTCCATCCATGCTCTCTCC
AGCCAGCCATCTCAAGGAGAAACATAGTTCAACTGAAAGACTCATGCTCTGATTGTGGTGGGGTGGGGATCCTTG
GGAAGAATTACTCCCAAGAGTAACCTCTCATTATCTCCTCCACAGAAAACACACAGCTTCCACAACCTCTCTGTTT
TCTGTCAGTCCCCCAGTGGCCGCCCTTACACGTCTCCTACTTCAATGGTAGGGGCGGTTTATTTATTTATTTTTT
GAAGGCCACTGGGAGGAGCCTGACCTAACCTTTTAGGGTGGTTAGGACATCTCCCCACCTCCCCACTTTTTTCC
CCAAGACAAGACAATCGAGGTCTGGCTTGAGAACGACCTTTCTTTCTTTATTCTCAGCCTGCCCTTGGGGAGAT
GAGGGAGCCCTGTCTGCGTTTTTGGATGTGAGTAGAAGAGTTAGTTTGTTTTGTATTATTCTGGCCATACT
CAGGGGTCCAGGAAGAATTGTACCATTTAATGGGTTGGGAGTCTTGCCCAAGGAAGAATCACACCCTTGAATA
GAAATTTCCACCTCCCCAACCTTTCTCTCAGACAGCTTATCCTTTTCAACCAACTTTTGGCCAGGGAGGAATGT
CCCTTTTGTCTTCCCCCTGAGAAGCCATTCTTTGTCTGCCAACCTCCCTGGGGTCCCTGCCTGTTTCTCTCCAA
TGGAGGGTTTTTTTGGGGGGTGGTCCCCGTCTGGGGGGCCCTCCAGCCAGTACTCCAGGTCTCCCTGTCTCTCC
CCCCTGCCATTTTGATAGTATAATCTATTTTTTAAATGGGGCTTTTCAATAGGGGAGAGGGAGTCTCTCTCCT
ATATTTGGTGGGGTGGGTGGGAAGGAAGGGATTTGGGGGGGAATCTTCTGCGCCTCCCCACTCCAAGTGTTT
ATTTTTGATACCAAACATGAATTTTCAAGTTCCTCCCTCCAGCCCCCAATTTCTGCGGGCGGGTACAAAGGA
CCCTTTCAATGTCCCTGGAGTTGGGAGGGAGGAATGGGGGACATAAAGCCTGTCTGTCTCTATTCTAGGCAAGA
GAGAGTGGGTTCAAAAGACTCCTGGGCTCACCTGTTAGCGCTGGCCAGCCAGGCCTGGGACCTGGGGGTGG
TGATTTGGGGGACAGTGCTACACTCGTCTCCACTGTTTGTCTTACTTCCCCAAATGGACCTTTTTTTTTTCTAA
AGAGTCCCAGAGAATGGGGAATTGTTCTGTAAATATATATTTTTTCAAAGTGA

6686/6881
FIGURE 6174

CGGAAGCCGCGGTTCTTACCAACCGTTCTTATTGCTGGCGGCCTGAGGAGCCCATCATGGCGACGCCCCCTAAGC
GGCGGGCGGTGGAGGCCACGGGGGAGAAAGTGCTGCGCTACGAGACCTTCATCAGTGACGTGCTGCAGCGGGACT
TGCGAAAGGTGCTGGACCATCGAGACAAGGTATATGAGCAGCTGGCCAAATACCTTCAACTGAGAAATGTCATTG
AGCGACTCCAGGAAGCTAAGCACTCGGAGTTATATATGCAGGTGGATTTGGGCTGTAACTTCTTCGTTGACACAG
TGGTCCCAGATACTTCACGCATCTATGTGGCCCTGGGATATGGTTTTTTCCTGGAGTTGACACTGGCAGAAGCTC
TCAAGTTCATTGATCGTAAGAGCTCTCTCCTCACAGAGCTCAGCAACAGCCTCACCAAGGACTCCATGAATATCA
AAGCCCATATCCACATGTTGCTAGAGGGGCTTAGAGAACTACAAGGCCTGCAGAATTTCCCAGAGAAGCCTCACC
ATTGACTTCTTCCCCCATCCTCAGACATTAAAGAGCCTGAATGCCTTT

6687/6881
FIGURE 6175

MATPPKRRAVEATGEKVLRYETFISDVLQRDLRKVLDHRDKVYEQLAKYLQLRNVIERLQEAKHSELYMQVDLGC
NFFVDTVVPDTSRIYVALGYGFFLELTAEALKFIDRKSSLLTELSNSLT KD SMNIKAHIHMLLEGLRELQGLQN
FPEKPHH

6688/6881
FIGURE 6176

[illegible]

6689/6881
FIGURE 6177

CCTGTTTTTGTGCTCCTCCGAGCTCGCTGTTTCGTCCGGGTTTTTTACGTTTTTAATTTCCAGGACTTGAAGTGCC
ATGTCCTCTGAAGAAGGAAAGCTCTTCGTGGGAGGGCTCAACTTTAACACCGACGAGCAGGCACTGGAAGACCAC
TTCAGCAGTTTTCCGACCTATCTCTGAGGGTGAGACGGGCCATACTCACAAATGGGGGTTGGTGAGAGAAAGTCTGG
GATCCTTGCAATTTCAAGGAGTATTAAGTGAAGTTAGGACCCACGCCCTCCAAATTTCTTTTTCTTCCTAAGCCTA
TGGTGTAGACTAAGGATGAGGGGAAGCGTCTTTGGGATTAGTGGGAGCGCTCCGTTTTCCCTACCTATGCCATCT
CCTTTTCCGGCCACCCTTTGCTACTTAACCTTTGGGGTACTGACTGGTCCACATTGCTCCATCTTCTCTCCCTCT
CACAGTGGTCTGTTGTCAAGGACCGGAGACTCAGCGGTCCAGGGGTTTTGGTTTCATCACCTTCACCAACCCAGA
GCATGCTTCAGTTGCCATGAGAGCCATGAACGGAGAGGTGGGGCCCTCCTATCTGCAGAGGGACCTTGTCCTCATC
TGCGGCTTCCTTCATTCTTTTTGTTTTTCCCTCTGTGTCTGCTCGGGGCAGCGTGGCCACCAAGCCCCGAGTGC
CCACTCACAGGAGCATGACTGCCTTTTGTCTAGGGGGTGGAGGGCAGCGGCAGACAGAGCCTGGCCGCCTGGGA
GGCGACGACTGGTCTGTCATGAGGCCGAGAAGCCACCTGTGGATGGTTGACCTGCCTTGGGCTTAGGTAGTAGAG
TCTGCAGACCTGTGGGCCCTGGCCCCGAGAGGACCTCGTGAGTCTTCTGACATGGACTCTGAAGCCTCAAACCAAG
AGAGGTGTCTGTCTAGCCCTGATAGTCGGGCAGCTTAGAGGAGTGGGGAGGAGAACTCAGCCTGAGTTCAGTCAA
GATGTAAGTAGTAGCAAGGGGAACATGGTGCATTTCAGGTCAATTTGTGTGGGATTCTATAGCTCCTGATGAAGCC
ATTCTGGGGTAAAGGAGCTTATTCTGGAACATGGCACCCAGAACCTGGTGCCAGCAGGAATTTTTGGCCTCTTT
TGCCCACTTACCCTTGCTGCTCTTCCCTCACCATTGCCCTGACTGACTGCCAACCCTCATCTTGTGTCTCCC
ACACTTAGTCTCTGGATGGTCGTGATCCTGTCAGATCCGTGTGGATCATGCAGGCAAGTCTGCTCGGGGAACCAGAGGAGGTG
GCTTTGGGGCCCATGGGCGTGGTGCAGCTACTCTAGAGGTGGTGGGGACCAGGGCTATGGGAGTGGCAGGTATT
ATGACAGTCGACCTGGAGGGTATGGATATGGATATGGACGTTCCAGAGACTATAATGGCAGAAACCAGGGTGGTT
ATGACCCTACTCAGGAGGAAATTACAGAGACAATTATGACAACTGAAATGAGACATGCACATAATATAGGTGAG
ACTTGGATATCGGCATTGAGTGAACCTGTTTGTACACTCTGTGATGACCCTCTCACCTTTTTCTGGCAAGACTGC
TCTGCATTTCTGCTGCCCTCATACTCAGCCAGCCAACTACCAAACTTCCTAGCTAGGCCTTCCTTGCTCTCA
GGTGCATATCAGAGCAAGTTTGCTAGGGGGTGGGATCTGAAAACCCATCTCCTATAATCTTCTACTCTTGTGTGG
GATGGAGGAAATGAAGGTGTGTCCCTGTTGTCCAACCTCAGCATCTTCATCAGCTCTAGGAGGTGAGCATGTTG
TCAGCTGTTACTTCATGACATCACAATTCTCCCCCTCTTGCTGTTCCCAGATACACAAGGAATAATTTCTGATCC
AGGATCGTCCTTCCAAATGGCTGTATTTATAAAGGTTTTTGGAGCTGCACTGAAGCATCTTATTTTATAGTATAT
CAACCTTTTGTTTTTTAAATTGACCTGCCAAGGTAGCTGAAGACCTTTTAGACAGTTCCATCTTTTTTTTTTAAATT
TTTTCTGCCTATTTAAAGACAAATTATGGGACGTTTGTAGAACCTGAGTATTTTCTTTTTTACCAGTTTTTTAGT
TTGAGCTCTTAGGTTTATTGGAGCTAGCAATAATTGGTTCTGGCAAGTTTGGCCAGACTGACTTCAAAAAATTAA
TGTGTATCCAGGGACATTTTAAAAACCTGTACACAGTGTTTATTGTGGTTAGGAAGCAATTTCCCAATGTACCTA
TAAGAAATGTGCATCAAGCCAGCCTGACCAACATGGTGAAACCCCATCTGTACTAAACATAAAAAAATTAGCCTG
GCATGGTGGTGTACGCCCTGTAATCCCAGTGACTTGGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCGG
AGGTTGCAGTGAGCTAAGATCGCGCCACTGTACTCCAGCCTGGGCAACAGCGAGACTCCATCTCAAAAAAAGG
AAATGTGTATCAAGAACATGATTATCCAGGGGTATTTTCTAATTCAGATCATCAAACTGATTATATAGAAGAGTT
GGCTTTAAATGTTTGCAATGTCTTTTTTTTTTTAATACTGGAAGAAAAAATATTCTGTTGTGTCTCATACAGT
GCTTAGGATGTCTTTCACAGAGCTTATTAATAAGATGAAACCTG

6690/6881
FIGURE 6178

MAPRTWCPAGIFGLFCPLTLACSSLTIALTDCQPIILVSPTLSLWMVVRVWIMQASLLGEPEEVALGPMGVVAA
TLEVVGTRAMGVAGIMTVDLEGMDMDMDVPETIMAE TRVVM TATQEEITETIMTTEMRHAHNIGETWISALSEP V
CHTLS

6691/6881
FIGURE 6179

TCTTGCCTGGAGCCTGAGAAAGGGAGGAGAGACAGAAGGAACCGGCGACAGTGGTCTCAGGGCCGCTCCGGGGGG
CCTCAAGAACCGGAGGCAGCCCCGGAGGTGGTCCCCGATCCCGGGCTATGCTCTTGGATCTGAGAAGGGAAGGCG
GAGGGCGGCGGGGACAAGATGGGTGGAGAATGTCAAGCAAGGAATGCTAGGCGGGGGAGGGGCGTTGCTATGGCG
ACTGGGGAGGGGCGGTGTCTGTTCTGAATCGCTGTGTGTACCCCGGCGCTGCCAGGAAGGGCAGGGCTGGGGT
GATGACCATGGTAACACCCGGGTGGGAGTTTCGTGACATCTCCGGCGCGGAGGGACTCGATGTCTATGGCAATGGT
CGCCTGGTGGAAAGGGACGGAACCTAGATCCCTTCGCTCGGGACGCTCACATTCAGGCCCTTGTCTGCAGGCTGC
CGCGGGCGGACACGCCAGAGGAGGAGGCCGGGGAATGGCGCGGTGTGGCAGCAAGTCTTAGCAGTGGACGCGAG
GTACAACCGGTACCGCACACCAACGTTTCCACAGTTTCGGACGCAGTATATCCGCCGGCGCAGCCAGCTGCTGCG
GGAGAATGCCAAGGCTGGGCACCCCCAGCGCTGCGTCGGCAGTACCTGAGGCTTCGGGGGCAGCTGCTGGGCCA
GCGCTACGGGCCCCCTCTCCGAGCCAGGCAGTGCTCGTGCCTATAGCAACAGCATCGTCCGCAGTAGCCGCACTAC
TCTTGACCGCATGGAGGACTTTGAGGATGATCCTCGGGCCCTGGGGGCCCGTGGGCACCGTCTGTTCTGTTCAGCAG
AGGCTCCTACCAGCTGCAGGCGCAGATGAACCGTGCCGTCTATGAGGACAGGCCCCCTGGCAGCGTGGTGGCCAC
GTCAGCAGCAGAGGCAAGTCGGGCCATGGCCGGGGACACGTCACTGAGCGAGAAGTATGCCTTTGCGGGCATGTA
TCATGTTTTTGACCAGCACGTGGATGAGGCAGTCCCAAGGGTGCGCTTCGCCAATGATGACCGACACCGCCTGGC
CTGCTGCTCACTCGACGGCAGCATCTCCCTGTGCCAGCTGGTGCCTGCCCCACCCACAGTGCTTCGCGTGCTACG
GGGCCACACCCGTGGTGTCTCCGACTTCGCCTGGTCCCTCTCCAATGACATCCTCGTGTCCACCTCACTGGATGC
CACCATGCGCATCTGGGCCTCTGAGGATGGTGCCTGCATCCGAGAGATCCCTGACCCCGATAGCGCTGAACTGCT
CTGCTGCACCTTCCAGCCTGTCAACAACAACCTCACTGTGGTGGGGAACGCCAAGCACAACGTGCATGTATGAA
CATCTCCACAGGCAAGAAAGTGAAGGGGGGCTCCAGCAAGCTGACAGGCCGTGTCTTGCTCTGTCTTTGATGC
CCCTGGCCGGCTGCTCTGGGCGGGTGATGACCGTGGCAGTGTCTTCTCTTTCTCTTTGATATGGCCACAGGGAA
GCTGACCAAAGCCAAGCGTTTGGTGGTGCATGAGGGGAGCCCTGTGACCAGCATCTCAGCCCGGTCTGGGTGAG
CCGCGAGGCCCGGGATCCCTCACTGCTCATCAATGCTTGCTTCAACAAGTTGCTGCTCTACAGGGTGGTAGACAA
CGAGGGGACCTGCAGCTGAAGAGAAGCTTCCCCATCGAGCAGAGCTCACATCCTGTGCGCAGCATCTTCTGTCC
CCTCATGTCCTTCCGCCAGGGGGCCTGCGTGGTGACGGGCAGTGAGGACATGTGCGTGCACTTCTTTGATGTGGA
GCGGGCGGCCAAGGCTGCTGTCAACAAGCTGCAGGGCCACAGTGACCTGTGCTTGATGTGAGCTTCAACTGCGA
CGAGAGCCTACTGGCCTCCAGTGACGCCAGCGGCATGGTCATCGTCTGGAGGCGGGAGCAGAAGTAGGGTCTGT
CGGCCCTGTGCTGTCTCCATCCCACCCCTCTTACTCCAGCCTCGTGTGTAAATAAAGTTTCGGTGGTCATGC
TGAGGGCCGGCTCCCAGCTCTGCCGGGGACGGACAGGGCAGAGGGCAGCGGGCAGCTCCAGGAACACGGTGAAAA
AAAAAAA

6692/6881
FIGURE 6180

MAAVWQQVLAVDARYNAYRTPTFPQFRTQYIRRRSQLLRENAKAGHPPALRRQYLRLRGQLLGQRYGPLSEPGSA
RAYSNSIVRSSRTTLDRMEDFEDDPRALGARGHRRSVSRGSYQLQAQMNRAVYEDRPPGSVVPTSAAEASRAMAG
DTSLSENYAFAGMYHVFDQHVDEAVPRVRFANDDRHRLACCSLDGSISLCQLVPAPPTVLRVLRGHTRGVSDFAW
SLSNDILVSTSLDATMRIWASEDGRCIREIPDPDSAELLCTFQPVNNNLTVVGNAKHNVHVMNISTGKKVKGGS
SKLTGRVLALSFDAPGRLLWAGDDRGSVFSFLFDMATGKLTKAKRLVVHEGSPVTSISARSWVSREARDPSLLIN
ACLNKLLLYRVVDNEGTLQLKRSFPIEQSSHPVRSIFCPLMSFRQGACVVTGSEDMCVHFFDVERAAKAAVNKLQ
GHSAPVLDVSFNCDESLASSDASGMVIVWRREQK

6693/6881
FIGURE 6181

GGGAGAGGAACAGGGCCCTGGAGCACCTGGTTTCGGGGACAGTAGGGTTGGTGGGAGTTGCGATGATATTGCCAC
CTACCTCTTACATCTTTTAGTGCGTATGTTCTGTGCCACCCAGCTACTGGTTTCATTTGAGTAGATCGGAGTCAGAT
GAGTACATGTTTACGGGAGGCGCTTGGTTACGGGATCCAGATAGGAATCTTTATCTGAGCTGCTTGTCAGTTTGT
TCGTCTGTCCCTAGGTCTGTCTGCTATCAGCTATGCGCTGCCCGTTGCGCTGCAGACCCGCTTGGCCAAGAGAG
GCATCCTCAAACATCTGGAGCCTGAACCAGAGGAAGAGATCATTGCCGAGGACTATGACGATGATCCTGTGGACT
ACGAGGCCACCAGGTTGGAGGGCCTACCACCAAGCTGGTACAAGGTGTTTCGACCCCTTCCTGCGGGCTCCCTTACT
ACTGGAATGCAGACACAGACCTTGTATCCTGGCTCTCCCCACATGACCCCAACTCCGTGGTTACCAAATCGGCCA
AGAAGCTCAGAAGCAGTAATGCAGATGCTGAAGAAAAGTTGGACCGGAGCCATGACAAGTCGGACAGGGGCCATG
ACAAGTCGGACCGCAGCCATGAGAACTAGACAGGGGCCACGACAAGTCAGACCGGGGCCACGACAAGTCTGACA
GGGATCGAGAGCGTGGCTATGACAAGGTAGACAGAGAGAGAGAGCGAGACAGGGAACGGGATCGGGACCGCGGGT
ATGACAAGGCAGACCGGGAAGAGGGCAAAGAACGGCGCCACCATCGCCGGGAGGAGCTGGCTCCCTATCCCAAGA
GCAAGAAGGCAGTAAGCCGAAAGGATGAAGAGTTAGACCCCATGGACCCTAGCTCATACTCAGACGCCCCCGGG
GCACGTGGTCAACAGGACTCCCCAAGCGGAATGAGGCCAAGACTGGCGCTGACACCACAGCAGCTGGGCCCCCTCT
TCCAGCAGCGGCCGTATCCATCCCCAGGGGCTGTGCTCCGGGCCAATGCAGAGGCCTCCCGAACCAAGCAGCAGG
ATTGAAGCTTCGGCCTCCCTGGCCCTGGGTAAAATAAAAGCTTTCTGGTGATCCTGCCCACC

6694/6881
FIGURE 6182

MPLPVALQTRLAKRGILKHLEPEPEEEIIAEDYDDDPVDYEATRLEGLPPSWYKVFDPSGLPYYWNADTDLVSW
LSPHDPNSVVTKSAKKLRSSNADAEKLD RSHDKSDRGHDKSDRSHEKLD RGHDKSDRGHDKSDRDRERGYDKVD
RERERDRERDRDRGYDKADREEGKERRHHRREELAPYPKSKKAVSRKDEELDPM DPSSYSDAPRGTWSTGLPKRN
EAKTGADTTAAGPLFQQRYPYSPGAVLRANAEASRTKQQD

6695/6881
FIGURE 6183

TTGATGTTTTCCAGTCATTCCGGCTGACAGCGTTCAAGTTGGAATCCTGGAGGGGAGGTGTTTTTCTGTGCTAC
GTGGGACAGGCCACGCTGTCCGTCCGCAGTACCGACGCCTGCAGGTGAGAGCTTCGGGGAGAAAAGTGAAGAGCA
AGACGGAAC TGACGGGGAGAAAGGCTGGGAACCAGGGTGTGCGACTTTGACTGAAATTTGAGACGGAGGGCACC GG
AGGGCGAGCACTCGCCTGTGATTGGCCCGTGGGCGTCTGCGAGGTCCCACGCAGCTGCTCAATTGGTTGGTGTG
CAATTGTTGTGGCGGCGGCGGCGGCGATT TTTGCCACGTA CTTCGAGTAAGGGGCGGGGCTGTGCCCTGGCGCG
CGTGCGCAGCGCCCCGGGGCCCCACCCGGTAGTGCAAGAACCTGCGAGGGGGCGGAGCGAAGAGGTGCTTGT TTT
GGTTCTGTTTCTTTGAAGCAGAAGGCCGGAACAAGCGTAGCAATAAACTTGCTGGACTTGAGAGAAGGCTAAG
ACAAACTCGCCGCACTGCCTTCATCTTGACTTTTACATCCGGGTTCTCCTCTCGGCGTGACCCGCGCGCCGCCAC
CGCCGCCGCCGCCGCCGCCGCCGCCCTCCGCCGCCGAGGGTTCTCGAACC GG TGCCGCGATCCCTTTATCCGGGTC
TCGCCGTTCCCGTCTGTGCTCGCGCACTACACTAGCCCCCTCATCCGGGTTCTCTCCCGCGTGCCCCGCGCCGG
GTTTGTGGGGGGTACTCGGCAGTGCAGCCATGACTATACTCCCCAAAAGAAGCCGCCGCCCTCCCGACGCCGAC
CCCCCAACGAGCCGCCGCCGCCGGGCCGATGCCCCGGCGCGCGCGCGCGGCGGAGGTGTGGGCGTGGGCGGC
GGCGGCACGGGCGTGGGCGGCGGCGATCGCGACCGTGACTCCGGCGTCTGTGGGGCCCGTCCGCGAGCTTCGCCA
CCGCCCTCAAGGCCCGCTACCAGGACCGCCGGGCGCTCTTCATCGCTGGGCGCTGGCCGTGCCGCTGGTGCAGTG
GCGGGTCCCCGGCCACAACAGGCTTCTCCACCTCCTTGCGGGGGCCAGGTGGTCCCGGCGGCGGTCCCGGCGAC
GCGCTGGGCGCAGCGGCGGCGGTGTGGGTGCCGCGGCGTGGTGGTGGGTGTGGGTGGTGGCGTGGGCGTGGGC
GGCTGCTGCTCCGGGCTGGGCACAGCAAGCGGCGACGTCAAGCTCCCGGGGTTGGCGCGGTGGCGGGGGCAGT
CCCGAGCGTGAGGAGGTCCGCGCAGGCTACAACAGTGAGGACGAGTATGAGGCGGTGCAGCACGCATCGAGGCT
ATGGACCCTGCCACTGTGAGCAGCAGGAGCATTGGTTTGAAGAGGCCCTACGAGACAAGAAGGGCTTCATCATC
AAGCAGATGAAGGAGGATGGCGCCTGTCTCTTCCGGGCTGTAGCTGACCAGGTGTATGGAGACCAGGACATGCAT
GAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAGAATGCCGACTACTTCTCCAACATATGTCACAGAGGAC
TTTACCACCTACATTAACAGGAAGCGGAAAAACAATTGCCATGGCAACCACATTGAGATGCAGGCCATGGCAGAG
ATGTACAACCGTCTGTGGAGGTGTACCAGTACAGCACAGAACCCTCAACACATTCCATGGGATACATCAAAAC
GAGGACGAACCCATTCTGTGTTAGCTACCATCGGAATATCCACTATAATTGAGTGGTGAATCCTAACAAGGCCACC
ATTGGTGTGGGGCTGGGCTGCCATCATTCAAACCAGGGTTTGAGAGCAGTCTCTGATGAAGAATGCCATAAAA
ACATCGGAGGAGTCATGGATTGAACAGCAGATGCTAGAAGACAAGAAACGGGCCACAGACTGGGAGGCCACAAAT
GAAGCCATCGAGGAGCAGGTGGCTCGGGAATCCTACCTGCAGTGGTTGCGGGATCAGGAGAAAACAGGCTCGCCAG
GTCCGAGGCCCCAGCCAGCCCCGAAAAGCCAGCGCCACATGCAGTTCGGCCACAGCAGCAGCCTCCAGTGGCCTG
GAGGAGTGGACTAGCCGGTCCCCGCGGCAGCGGAGTTCAGCCTCGTACCTGAGCACCTGAGCTGCATGCTGAA
TTGGGCATGAAGCCCCCTTCCCCAGGCACTGTTTTAGCTCTTGCCAAACCTCCTTCGCCCTGTGCGCCAGGTACA
AGCAGTCAGTTCTCGGCAGGGGCGGACCGGGCAACTTCCCCCTTGTGTCCCTCTACCCTGCTTTGGAGTGCCGG
GCCCTCATTAGCAGATGTCCCCCTCTGCCTTTGTCTGAATGACTGGGAAGATAGACAAGAGGCACACAGAGAC
AGACCAACTGGCAGCCAGGCAGCCCCAGAGGAGAGACATTCAGACAGAGGAAAGTCTCCCTGCCCTCATTC
TTCCAAGATGAGAAAAACTTGCCGCCACCCCCGACACTGATGCCAGGGAGGTGGGAGGAAGAAGTGGGAAATTT
CCCTTCCAGTACCCCCAAGAAGCTCTGAGCCTCAATGTTGAATTTTTTCTTTATTAAATTAATTTTATCTTA
TAAATC

6696/6881
FIGURE 6184

MTILPKKKPPPPDADPGGTGVGGGDRDRDSGVVGARPRASPPPGPLPGPPGALHRWALAVPPGAVAGPRPQQAS
PPPCGGPGGGPGGPGDALGAAAAGVGAAGVVVGAVGVGGCCSGPGHKKRRRQAPGVGAVGGGSPEREVAGAG
YNSEDEYEAAAARIEAMDPATVEQQEHWFEKALRDKKGFIIKQMKEDGACLFRAVADQVYGDQDMHEVVVRKHCMD
YLMKNADYFSNYVTEDFTTYINRKRKNNCHGNHIEMQAMAEMYNRPEVYQYSTEPINTFHGHIHQNEDEPIRVSY
HRNIHNSVVPNKATIGVGLGLPSFKPGFAEQSLMKNAIKTSEESWIEQQMLEDKKRATDWEATNEAIEEQVAR
ESYLQWLRDQEKQARQVRGPSQPRKASATCSSATAAAASSGLEEWTSRSPRQRSSASSPEHPELHAELGMKPPSPG
TVLALAKPPSPCAPGTSSQFSAGADRATSPLVSLYPALECRALIQQMSPSAFGLNDWEDRQEAHRDRPTGSQAAP
EERDIQTEESLPAPHSFQDEKNLPPPPDTDAREVGGRSGKFFFPVPPRTSEPSMLNFFFIKITFIL

6697/6881
FIGURE 6185

CTGGGTGTACAGCGTCCTCGAAACCACGAGCAAGTGAGCAGATCCTCCGAGGCACCAGGGACTCCAGCCCATGCC
ATGGCGGATTTCTGAGCGCCTCTCGGCTCCTGGCTGCTGGGCCGCTGCACCAACTTCTCGCGCACTCGAAAGGGA
ATCCTCCTGTTTGCTGAGATTATATTATGCCTGGTGATCCTGATCTGCTTCAGTGCCTCCACACCAGGCTACTCC
TCCCTGTCGGTGATTGAGATGATCCTTGCTGCTATTTTCTTTGTTGCTTACATGTGTGACCTGCACACCAAGATA
CCATTCATCAACTGGCCCTGGAGTGATTTCTTCCGAACCTCATAGCGGCAATCCTCTACCTGATCACCTCCATT
GTTGTCCTTGTTGAGAGAGGAAACCACTCCAAAATCGTTCGCAGGGGTACTGGGCCTAATCGCTACGTGCCTCTTT
GGCTATGACGCCTATGTCACCTTCCCCGTTTCGGCAGCCAAGACATACAGCAGCCCCCACTGACCCCGCAGATGGC
CCGGTGTAGGCGAACTTCCCTCATTCTCTCTGCAATCTGCAAATAACTCCTCCATTGAAATAACTCCTCCCCAC
CCCAACAACAACATTCCCAGCAGACCAACTCCCACCCCTCTTTGAGGTAAAAGTGCCTTTATTGGGAGACTTTT
GTCTTCCAGCCTGCCAATCAACCCTCCTGGGTGTGGCCACCATATGTGTGTGCCTAGGTCCTCCTTCTGCACGAT
CCAATAGGAGACACCAGTTCTGACTGAACCATGCCCCACCTAAGTCACAAAATGAGGGAAGTGGGGAGTTAGAT
TTCAGAGTCCAGGCCCTAGGTTGGGACCCACTCCAAATAATCTCCTCGGTGTGGGTGGTGGTTCTATAGAGGGAT
AAATGAATAATAAACATTGTTAAAATATAAAAAAAAAAAAAAAAAA

6698/6881
FIGURE 6186

MADSERLSAPGCWAACTNFSRTRKGILLFAEIILCLVILICFSASTPGYSSLSVIEMILAAIFFVVYMCDLHTKI
PFINWPWSDFFRTLIAAILYLITSIVVLVERGNHISKIVAGVLGLIATCLFGYDAYVTFPVRQPRHTAAPTDPADG
PV

6699/6881
FIGURE 6187

GAGCACGGAGCAGGGTTTCTACAGCTGCTCCCCACTTTCTCGGACCCGGTCCTGGACCCAGCCCCGACTCCGAC
ACGGCTCCACCAATGGAGGAGGCGGACCGAATCCTCATCCATTGCTGCGCCAGGCCGGCACGGCAGTTCCCTCCAG
ATGTGCAGACCTTGC GCGCCTTCACCACTGAGCTGGTTGTAGAGGCTGTGGTCCGCTGCCTGCGTGTGATCAACC
CTGCGGTGGGCTCTGGCCTCAGCCCTCTGCTGCCTCTTGCCATGTCTGCCCGGTTCCGCCTGGCCATGAGCCTGG
CTCAGGCCCTGCATGGACCTGGGCTATCCCTTGAGCTTGCGCTATCAGAATTCTCTACCCAGTGAGCCTGACC
TCCGAGACCTGCTTCTCTTCTTGCTGAGCGTCTGCCCCACCGATGCCTCTGAGGATGCAGACCAGCCTGCAGGTG
ACTCAGCTATTCTCCTCCGGGCCATTGGGAGCCAAATTCGGGACCGAGCTGGCACTGCCTTGGGTCCCGCCCCACC
TTCGCACTCCCAAGCTGCAGCACCTCCAGGGCTCGGCCCTCCAGAAGCCTTTCCATGCCAGCAGGCTGGTTCGTGC
CAGAAATTGAGTTCCAGAGGTGAGCCACGGGAGTTCCAGGCGAGTCCCCTGCTGCTTCCAGTCCCTACCCAGGTGC
CTCAGCCTGTTGGAAGGGTGGCCTCGCTCCTCGAACACCATGCCCTGCAGCTCTGCCAGCAGACGGGCCGGGACC
GGCCAGGGGATGAGGACTGGGTCCACCGACATCCCGCCTCCACCCCAGGAGACACACGGGCTCAGCGGCAGC
GGCTGCAAAAGCAACTGACTGAGCATCTGCGCCAAAGCTGGGGCCTGCTTGGGGCCCCCATAACAAGCCCCGGACC
TGGGAGAAGTCTGTCAGGCCTGGGGTCTGTTGGGCCAAGACTGGTGCTCCTAAGGGTCCCGCTTACGCACTCAG
AGAAGTTCACTTCCATCTGGAGCCCCAGGCCAGGCCACTCAGGTGTCAGATGTGCCAGCCACCTCCCGGCGGC
CTGAACAGGTCACGTGGGCAGCTCAGGAACAGGAGCTCGAGTCCCTTCGGGAGCAGCTGGAAGGAGTGAACCGCA
GCATTGAGGAGGTTGAGGCCGACATGAAGACCCTGGGCGTCAGCTTTGTGCAGGCAGAGTCTGAGTGCCGGCACA
GCAAGCTCAGTACAGCAGAGCGTGAGCAGGCCCTGCGCCTGAAGAGCCGCGCGGTGGAGCTGCTGCCCGATGGGA
CTGCCAACCTTGCCAAGCTGCAGCTTGTGGTGGAGAATAGTGCCAGCGGGTCATCCACTTGGCGGGTCAGTGGG
AGAAGCACCGGGTCCCACTCCTCGCTGAGTACCGCCACCTCCGAAAGCTGCAGGATTGCAGAGAGCTGGAATCTT
CTCGACGGCTGGCAGAGATCCAAGAACTGCACCAGAGTGTCCGGGCGGCTGCTGAAGAGGCCCGCAGGAAGGAGG
AGGTCTATAAGCAGCTGATGTCAGAGCTGGAGACTCTGCCAGAGATGTGTCCCGGCTGGCCTACACCCAGCGCA
TCCTGGAGATCGTGGGCAACATCCGGAAGCAGAAGGAAGAGATCACCAAGATCTTGTCTGATACGAAGGAGCTTC
AGAAGGAAATCAACTCCCTATCTGGGAAGCTGGACCGGACGTTTTCGGTGACTGATGAGCTTGTGTTCAAGGATG
CCAAGAAGGACGATGCTGTTCCGGAAGGCCTATAAGTATCTAGCTGCTCTGCACGAGAAGTGCAGCCAGCTCATCC
AGACCATCGAGGACACAGGCACCATCATGCGGGAGGTTTCGAGACCTCGAGGAGCAGATCGAGACAGAGCTGGGCA
AGAAGACCCCTCAGCAACCTGGAGAAGATCCGGGAGGACTACCGAGCCCTCCGCCAGGAGAACGCTGGCCTCCTAG
GCCGGGTCCGGGAGGCTCTGAGAGGAGCCGCGGCAGAGGTCTCTCCCCAGCCTCAGGCAGGGATTGGGGTGTGGA
GGCAGTGGCCAAGCACATGCCCTAGCTACTTCTCCGCTGTCCAGTTCTCTCCTGCTGCGGCCTTGACCCAGACC
CCTGCCCCTGACCGCAACCTTATATGGGGTGATAGTCCAGCATGTGGGGAGCTCGGCTGCAGTTTATTGGGGA
CGGTACTGTGGGTTGGGGGCTTGGATCCCAAATAAATGAGTAGTTCTCTGC

6700/6881
FIGURE 6188

MEEADRILIHSLRQAGTAVPPDVQTLRAFTTELVEAVVRCLRVINPAVGSGLSPLLPLAMSARFRLAMSLAQAC
MDLGYPLELGYQNFLYPSEPDRLDLLFLAERLPTDASEDADQPAGDSAILLRAIGSQIRDQLALPWVPPHLRTP
KLQHLQGSALQKPFHASRLVVPPELSSRGEPREFQASPIILLPVPTQVPQPVGRVASLLEHHALQLCQQTGRDRPGD
EDWVHRTSRLPPQEDTRAQRQRLQKQLTEHLRQSWGLLGAPIQARDLGELLQAWGAGAKTGAPKGSRFTHSEKFT
FHLEPQAQATQVSDVPATSRPEQVTWAAQEQELESLEQLEGVNRSIEEVEADMKTLGVSVFVQAESECRHSLKLS
TAEREQALRLKSRAVELLPDGTANLAKLQLVVENSAQRVIHLAGQWEKHRVPLLAEYRHLRKLQDCRELESSRRL
AEIQELHQSVRAAAEEARRKEEVYKQLMSELETLPDVSRLAYTORILEIVGNIRKQKEEITKILSDTKELQKEI
NSLSGKLDRTFAVTDELVFKDAKKDDAVRKAYKYLAALHENCSQLIQTIEDTGTIMREVRDLEEQIETELGKKTL
SNLEKIREDYRALRQENAGLLGRVREA

6701/6881
FIGURE 6189A

GGGCTGCTGTGCTGGCAGCAGTAGGCGAGGGCGCGGCTGCGGGGTTCTGGTGCTGAGGACGGACGCCATTGGAG
TTCCCGAGAAGATCCCGCCTCCCATTTGAATCCCGCCCCCTCCCCCTGCAGCTGCTTCACCCTCCCTCTCAGGCTG
AGCTCTCATCTCCCTGGGAGCCCGCAGCATGGCTGAGGGAAGCTTCAGCGTGCAATCGGAAAGCTACAGTGTTGA
AGACATGGATGAGGGTAGCGACGAAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTG
GTTTGGTGGCTATGGCACCCCTACCAAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCT
TCGCATCTTATCGAATGAGCCCTGGGAACCTGGAACCCCTGTGCTGGCCCAGACCCCTGGTGGAGGCATTGCAGCT
GGATCCGGAACACTTGCCAATGAGACGGCCGCGCTGTGCTGCCAACGTAGCCCGCGCCGCGCCTCCAACCGTGC
GGCTCGGGCCGTGTCCGCGCTGCCCGTACCGCCTTCAGTCAGGTGGTTCGCTAGCCACCGGGTGCCACGCCGCGAG
GTCTCAGGAGAGGATACCCAGCCACGACCTACGCGCCGAGGTGAGGGGCCACCCCTGAGCACCCCTTGCTTC
TCCGACAGCTCCAGATGTTAGTCACAGTAAGATGGCTGCCCCGAGGCTCCGGCAACCTCCGCACAGTCCCA
GACAGGCTCCCCGGCCAGGAGGCTGCTACTGAGGGCCCTAGTAGCGCCTGTGCTTTCTCTCAGGCTCCGTGTGC
CAGGGAGGTGGACGCCAACCGGCCAGCACAGCCTTCTGGGCCAGAATGATGTCTTCGATTCTACTCAGCCGGC
AGGTGTCAGTGGCATGGCCTTCCCGCGCCCCAAGAGACCTGCCCCAGCCCAAGAGGCTGCCACAGAGGGCCCCAG
TGCTGCCTCTGGTGTGCCCCAGACGGGACCTGGCAGGGAGGTGGCAGCCACCCGGCCCAAGACCACCAAGTCGGG
GAAGGCGCTGGCCAAGACTCGGTGGGTGGAGCCTCAGAATGTTGTGGCAGCAGCTGCTGCCAAGGCCAAGATGGC
CACGAGCATCCCTGAGCCGGAGGCTGAGCTGCTGCCACTGCTCAGCACAGTGTGAGCCCTGGGCCAGGATGGG
AGGCAAGAGGACCAAGAAGGTGAGAGGGGATCCXX
XXCCTAGTCTGTGGGCAT
CCCTTTGCTTGCGTGCCACGGCTGGTCCCTCCATAGCCACAGGACGGGGTCTTGCTGCGTCACCCCTCGGCAGAG
CTTGACCAAGGGGCTACAGCTCTATGACCCCTGCTCAGCCAGGTGCTTCTCCAACCTCTCCCTCTCTGCAGA
CATGCTGAAGGATGTCATCAGAGAATATGATGAACATTTCCCTGAGATCATTGAACGAGCAACGTACACCCTGGA
AAAGGTGGGTGCAGGATGGGAGCAGCTCTGTGGGGGAAGAGCGGGCATGGGGGTGCGGTGACCCTGCAGCCCTC
AAGGCCCAGTCTCTGGAGCCATCTCTCACCTCTCCGACTCTGAGCTTCCACTGCACTGGCAGTTTGACTCGTGCT
TCCTGCCCTCGGCTTCTCTCTCTCATGCTCTCTGAGTGTCTCGCCGTCTGGCCAGGTGGGTCTCATCGCCTCTGC
CAGCGTCAGCTCCACAGCGAAGGTCTTCCGTGTGCTGTCTTCTCTGCCCTCGCTCACGAGTTTGGATTCTTG
CTGAGGAGCAGTTCTAACCCGGAATCACTGTCTGCCGGCAGGATGCCAGCATGGGGTTTGGATCTCACACTCTGT
TTTCTCCCCACGTAGAAAGTTTGGGATCCACCTGAAGGAGATCGACAAGGAAGAACACCTGTATATTCTTGTCTG
CACACGGGACTCCTCAGCTCGCCTCCTTGAAAGTAAGAAGGACACTCCCAGGGCTGATCTCTCTTGGTGATCTC
GGCGTCATCTTCATGAATGGCAACCGTGCCAGCGAGGCTGTCTCTGGGAGGCACTACGCAAGATGGGACTGCGC
CCTGGGTATGATTGGCCTCTCCAGCTCCTCCCTCGGTGCTATCCTCTGGCCAAAGAGGTCTGGGATTGCAATA
GCCTGGTGGTCTGGCGCAAGGGCGTGGGGTGCTGGGCTCGGTAGAGAGCAAAGGATCTCACCAGGGCGGATGGG
GAAGCGGTGCTGGACGTGCTCAGCCCTCTCTGCTCTGTGGCCCCAGATGACATCTAAGAGAGACAGTCAGAG
TCAGGGATTCCATCAAATCCCTACCTGGGGCGTCCCTGACCAACAGTCCTCTGGCCTCTGCTGCATGCCAGGCC
TCCACAGCGACTCCCCGGGGGCTGGGAAGTCATAGTCATGCTAGGGAGGGCCCCTGCCACCGTCTCTGCTCATGG
ATTCTTTCTTGCCCTCAGGCTGAGGCACCCATTCTCGGCGATCTGAGGAAGCTCATCACAGATGACTTTGTG
AAGCAGAAAGTAAGTATCACCTGAGCTAACTGCGGCTCTCACTCGAGCATCCTTTGTGTGCTGGTCTGGCTGAGAA
AGCAGTTCCTATCCCAAATCTTCAACTGGAGGGATGGGTGCCTCTGACCTGGGAGTGAGTGGCAGTGGGGGGTA
TGCGAGTGTGTGGGGACCGAAGGCCAGGGCGGTCTTGGGAAAAGGGAGCTCACGTACCTGAGAACACGGTGTGG
GGTGTGAAAACGGCCGCCATCACCTTGAGCACCTGCCCTGTAGACTGACACAAGAGTTCCCCCTGGTTTACACCT
AAGGAACCCGGAGCTCAGAGAGGAGACGCCTCTGAGCATGGCTCCCAGCTGGTAAGGGCCTCAGCCCAACTCTCC
TGATTTTCAGGCCAGGGGCCACCCCTCTCCCCGTCCCTGGAGGACTTGCCAACGCACAGGCGCGCATGCACACCAA
CAAAGGGTCAGGACTTGAGGAGGATGCCTGGAGCACGCTTCTCCTGGCTGACTGTTTCTCTCTCCAGTCGTTT
CCTCTGGTGGGCTCTCCAGGGCTCCGCCGGGGTGTGGCCAAGACCCTCGAGGTGGGGTGTGCTCAGAGCAGGGG
GCCTGAAGAATGGCTCCTCTGTTTACAACACACCCAACAGGAAGCTGGGGTCATCGTGATGAGGGGCACAACTT
GTGGCCTCCCTACAGACAAATGCCCTACATGTGGACCCCTGCACCTCCGATGGCTTCCGGGGAGGACCAATGG
CAAAAGGCTTTGAAGGCCTCACTTTTGCAGGCAGAAGTCCTGGGAGTGGGTTTGGGAATGAGTGAAGGGCTGGAG
GGGCAGGACAGTCCTCTTCCAGGAGCTGAGCTGCGGCATCGGGTTGAGGAGGGGGCCCCCTGGAACCCATCCGTTT
AGCAACAGGTCTGCTTGGCTAGCAGCAAAGTTTACTTTCTCTCATGCCAAGGTACCTGGAATACAAGAAGATCC

6702/6881
FIGURE 6189B

CCAACAGCAACCCACCTGAGTATGAATTCCTCTGGGCCTCGAGCCCGCCATGAGACCAGCAAGATGAGGGTCCTG
AGATTCATCGCCAGAATCAGAACCGAGACCCCGGGAATGGAAGGCTCATTCTTGGAGGCTGTGGATGATGCT
TTCAAGACAATGGATGTGGATATGGCCGAGGAACATGCCAGGGCCCAGATGAGGGCCCAGATGAATATCGGGGAT
GAAGCGCTGATTGGACGGTGGAGCTGGGATGACATACAAGTCGAGCTCCTGACCTGGGATGAGGACGGAGATTTT
GGCGATGCCTGGGCCAGGATCCCTTTGCTTTCTGGGCCAGATAACCATCAGTACATTCTGAATAGCAACCGTGCC
AACAGGAGGGCCACGTGGAGAGCTGGCGTCAGCAGTGGCACCAATGGAGGGGCCAGCACCAGCGTCCTAGATGGC
CCCAGCACCAGCTCCACCATCCGGACCAGAAATGCTGCCAGAGCTGGCGCCAGCTTCTTCTCCTGGATCCAGCAC
CGTTGACGAACTGCAGCGATCTTACTGGCCAAGCCAGAGCGCCTCCTCTCAGATTCCTTCTCGACACAGCACCTT
AGGCGGCTTCTTCCIGTCAGTCGGAGGTGGCATGCAAGATGAAGCTCTCTTTGCTCTTCCTGCTTTTCATTTTGTG
CTTTTCCTTGTGTTTTTCATGTTTTGGGTATCAGTGTTACATTAAAGTTGCAAAATTAA

6703/6881
FIGURE 6190

CCCATCCCGTGGGTGGCCGGCGACAAGATGGCAGCAGCGTGTCTGGAGCGTGAAGGGCCTGGTGGCGGTAATAACC
GGAGGAGCCTCGGGCCTGGGCCTGGCCACGGCGGAGCGACTTGTGGGGCAGGGAGCCTCTGCTGTGCTTCTGGAC
CTGCCCAACTCGGGTGGGGAGGCCCAAGCCAAGAAGTTAGGAAACAAC TGCGTTTTCGCCCCAGCCGACGTGACC
TCTGAGAAGGATGTGCAAACAGCTCTGGCTCTAGCAAAAAGGAAAAGTTTGGCCGTGTGGATGTAGCTGTCAACTGT
GCAGGCATCGCGGTGGCTAGCAAGACGTACAACCTTAAAGAAGGGCCAGACCCATACCTTGGAAGACTTCCAGCGA
GTTCTTGATGTGAATCTCATGGGCACCTTCAATGTGATCCGCCTGGTGGCTGGTGAGATGGGCCAGAATGAACCA
GACCAGGGAGGCCAACGTGGGGTCAATCATCAACACTGCCAGTGTGGCTGCCTTCGAGGGTCAGGTTGGACAAGCT
GCATACTCTGCTTCCAAGGGGGGAATAGTGGGCATGACACTGCCCATTGCTCGGGATCTGGCTCCCATAGGTATC
CGGGTGATGACCATTGCCCCAGGTCTGTTTGGCACCCCACTGCTGACCAGCCTCCAGAGAAAGTGTGCAACTTC
TTGGCCAGCCAAGTGCCCTTCCCTAGCCGACTGGGTGACCCTGCTGAGTATGCTCACCTCGTACAGGCCATCATC
GAGAACCCATTCCCTCAATGGAGAGGTCATCCGGCTGGATGGGGCCATTCTGATGCAGCCTTGAAGGGAGAAGGCA
GAGAAAACACACGCTCCTCTGCCCTTCCCTTCCCTGGGGTACTACTCTCCAGCTTGGGAGGAAGCCCAGTAGCCA
TTTGTAAGTGCCTACCAGTCGCCCTCTGTGCCTAATAAAGTCTCTTTTCTCACAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAA

6704/6881
FIGURE 6191

MAAACRSVKGLVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPADVTSEKDVQTAL
ALAKGKFGRVDVAVNCAGIAVASKTYNLKKGQHTLEDQFQVLDVNLMTFNVIRLVAGEMGQNEPDQGGQRGVI
INTASVAAFEGQVGQAAYSASKGGIVGMTLP IARDLAPIGIRVMTIAPGLFGTPLLTSLPEKVCNFLASQVPFPS
RLGDP AEY A H L V Q A I I E N P F L N G E V I R L D G A I R M Q P

6705/6881
FIGURE 6192A

GCCTGTCCTACTGCCGCCGGCGCCGGCCGCTCATGGGGTTCCTGAAACTGATTGAGATTGAGAACTTTAAGTCG
TACAAGGGTCGACAGATTATCGGACCATTTTCAGAGGTTCAACCCCATCATTTGGACCCAATGGCTCTGGTAAGTCA
AATCTCATGGATGCCATCAGCTTTGTGCTAGGTGAAAAAACAGCAACCTGCGGGTAAAGACCCTGCGGGACCTG
ATCCATGGAGCTCCTGTGGGCAAGCCAGCTGCCAACCGGGCCTTTGTCTAGCATGGTCTACTCTGAGGAGGGTGCT
GAGGACCGTACCTTTGCCCCGTGTCATTGTAGGAGGTTCTTCTGAGTACAAGATCAACAACAAAGTGGTCCAAC
CATGAGTACAGTGAGGAATTAGAGAAGTTGGGCATTCTCATCAAAGCTCGTAACCTCCTCGTTTTCCAGGGTGCT
GTGGAATCTATTGCCATGAAGAACCCCAAAGAGAGGACAGCTCTATTTGAAGAGATTAGTCGTTCTGGGGAGCTG
GCGCAGGAGTATGACAAGCGAAAGAAGGAAATGGTGAAGGCTGAAGAGGACACACAGTTTAATTACCATCGCAAG
AAAAATATTGCGGCTGAACGCAAGGAAGCAAAGCAGGAGAAAGAAGAGGCTGACCGGTACCAGCGCCTGAAGGAT
GAGGTAGTACGGGCTCAGGTACAGCTGCAGCTCTTTAAGCTTTACCATAATGAAGTGGAATTGAGAAGCTCAAC
AAGGAACCTGGCCTCAAAGAACAAGGAGATCGAGAAGGACAAGAAGCGTATGGACAAGGTGGAGGATGAAGTGAAG
GAGAAGAAGAAGGAGCTGGGCAAAATGATGCGGGAGCAGCAGCAGATTGAGAAGGAGATCAAGGAGAAGGACTCA
GAATTGAACCAGAAGCGGCCTCAGTACATCAAAGCCAAGGAGAACACCTCCCAACAAATCAAGAAGCTGGAAGCA
GCCAAGAAGTCTCTGCAGAATGCTCAGAAGCACTACAAGAAGCGTAAAGGTGACATGGATGAGCTGGAGAAGGAG
ATGCTGTCTAGTGGAGAAGGCTCGGCAGGAGTTTGAAGAACGGATGGAAGAAGAGAGTCAGAGTCAGGGCAGAGAT
TTGACGTTGGAGGAGAATCAGGTGAAGAAATACCACCGGTTGAAAGAAGAAGCCAGCAAGAGAGCAGCTACCCTG
GCCCAGGAGCTGGAGAAATTCATCGAGACCAGAAAGCTGACCAGGACCGCTCTGGATCTGGAAGAACGGAAGAAA
GTAGAGACAGAGGCCAAGATCAAGCAAAAGCTGCGGGAAATTGAAGAGAATCAGAAGCGGATTGAGAACTGGAG
GAATACATCACCCTAGCAAGCAGTCCCTAGAAGAGCAGAAGAAGCTAGAGGGGGAGCTGACAGAGGAGGTGGAG
ATGGCCAAGCGGCGTATTGATGAAATCAATAAGGAGCTGAACCAGGTGATGGAGCAGCTAGGGGATGCCCCGATC
GACCGCCAGGAGAGCAGCCGCCAGCAGCGAAAGGCAGAGATAATGGAAGCATCAAGCGCCTTTACCCTGGCTCT
GTGTACGGCCGCCCTCATTGACCTATGCCAGCCACACAAAAGAAGTATCAGATTGCTGTAACCAAGGTTTTGGGC
AAGAACATGGATGCCATTATTGTGGAAGTTCGGAGAAGACAGGCGGGGACTGTATTCAGTATATCAAGGAGCAGCGT
GGGGAGCCTGAGACCTTCTTGCCCTCTTGACTACCTGGAGGTGAAGCCTACAGATGAGAACTCCGGGAGCTGAAG
GGGGCCAAGCTAGTGATTGATGATTGCTATGAGCCACCTCATATCAAAAAGGCCCTGCAGTATGCTTGTGGC
AATGCCCTTGTCTGTGACAACGTGGAAGATGCCCGCCGCTATTGCCTTTGGAGGCCACCAGCGCCACAAGACAGTG
GCACTGGATGGAACCTATTCCAGAAGTCAGGAGTGATCTCTGGTGGGGCCAGTGACCTGAAGGCCAAGGCACGG
CGCTGGGATGAGAAAGCAGTAGACAAGTTGAAAGAGAAGAAGGAGCGCTTGACAGAGGAGCTGAAAGAGCAGATG
AAGGCAAAACGGAAAGAGGCAGAGCTGCGTCAGGTGAGTCTCAGGCCCCATGGACTGCAGATGCGGCTCAAGTAC
TCCCAGAGTGACCTAGAACAGACCAAGACACGACATCTAGCCCTGAATCTGCAGGAAAAATCCAAGCTGGAGAGT
GAGCTAGCCAACTTTGGGCCTCGCATTAATGATATCAAGAGGATCATTAGAGCCGAGAGAGGGAAATGAAAGAC
TTGAAGGAGAAGATGAACCAGGTAGAGGATGAGGTGTTTGAAGAGTTTTGTCTGGGAGATTGGTGTGCGCAACATC
CGGGAGTTTGAGGAAGAAAAGGTGAAACGGCAGAATGAAATCGCCAAGAAGCGTTTTGGAGTTTGAGAAATCAGAAG
ACTCGCTTGGGCATTTCAGTTGGATTTTGAAGAAGCAACTGAAGGAGGACCAAGATAAAGTACACATGTGGGAG
CAGACAGTGAAAAAGATGAAAATGAGATAGAAAAGCTCAAAAAGGAGGAACAAAGACACATGAAGATCATAGAT
GAGACCATGGCTCAGCTACAAGACCTGAAGAATCAGCATCTGGCCAAGAAGTCGGAAGTGAATGACAAGAATCAT
GAGATGGAGGAGATTGTAAGAACTCGGGGGCGCCAACAAGGAAATGACCCATTTACAGAAGGAGGTGACAGCC
ATTGAGACCAAGCTTGAACAGAAGCGCAGTGACCGTCACAACTTGCTACAGGCCTGTAAGATGCAGGACATTAAG
TTGCCACTGTCAAAAGGCACCATGGATGATATTAGTCAGGAAGAGGGTAGCTCCAGGGGGAGGACTCAGTGAGT
GGTTCACAGAGAATTTCCAGTATCTATGCACGAGAGGCCCTCATTGAGATTGACTACGGTGATCTGTGTGAGGAT
CTGAAGGATGCCCAGGCTGAGGAAGAGATCAAGCAAGAGATGAACACACTGCAGCAGAAGCTGAATGAGCAGCAG
AGTGTGCTTCAGCGTATTGCCGCCCCAACATGAAGGCCATGGAAAAGCTGGAAAGTGTCCGAGACAAGTTCCAG
GAGACCTCAGATGAGTTTGAAGCAGCCCGAAAGCGAGCAAGAAGGCCAAGCAGGCATTGCAACAGATCAAGAAG
GAGCGCTTTGACCGCTTCAATGCTTGTGTTTGAATCTGTGGCTACCAACATTGATGAGATCTATAAGGCCCTGTCC
CGCAATAGCAGTGCCAGGCATTCTGGGCCCTGAGAACCCTGAAGAGCCCTACTTGGATGGCATCAACTACAAC
TGTGTGGCTCCTGGGAAACGCTTCCGGCCTATGGACAACCTGTGAGCGGGGAGAAGACAGTGGCAGCTCTGGCC
CTGCTCTTTGCCATCCACAGCTACAAGCCAGCCCCCTTCTTCGCTCTGGATGAGATTGATGCTGCCTTGGATAAC
ACCAACATTGGCAAGGTGGCAAAATTACATCAAGGAGCAGTCGACTTGCAACTTCCAGGCCATCGTCATCTCTCTC

6706/6881
FIGURE 6192B

AAGGAGGAGTTCTACACCAAGGCCGAGAGCCTCATTGGAGTCTATCCTGAGCAAGGGGACTGTGTGATCAGCAAA
GTCCTGACCTTCGACCTCACCAAGTACCCAGATGCCAACCCCAACCCCAATGAGCAGTAGCAGTATTTTTGCCCT
CCCGCCCTGTCTGGATCCCTAAGCTGTCCCTCTCCCAATCTCTGGATATTTGACTCCCAACCTTCCCCCTACCTC
CTGGCCCTTTTTGGTGTAGTCATGGGATTTAGGCACTGCTAATCAAGCATGAAGAGGAACAGAGGTGATGTTAGG
TCTGGAGCAAAAATTCCTGAACGACAGGGAGTATTCTGGCCTCTGAAAGGAGGTGCTGAGCTGAACAGGGCCATC
TGTTTCATCACACACACCCCTTCCTCCCCCTCATCACCATAATCGTGGGCCCCCTTGGGCCTCTTGCCCACTGTG
TGTGTGGGTATGTATGTGTGTATGTATGTATCCGCATGTGTGCATGTGAGTATGTTTGCAAAATAATAAAGGATA
TTGGAGACCTGTTTTAGAAGGAGCCTAGGCTGAATTTGATTCCAAGAGAGCTTAGGATGACAGCACCCCTGAGCT
GGGCAAAGGTACTCAGGACCTCATAGGAGTCTTAGGCAGTTACCTGAAACTGCCTTCATTCACTCATTGTGTAT
TCATTCAATTTATGTATTCATCAGACACATACCGAACACCCTCTATTTGTCAGGCTCTGTGCTTGAATACAGAGT
TGAATCAGACATGATCTCTACCCCTCTAGTAAGGAGATACAGTGGGTTCATGAATGACTATAGTTAGCTGAATGT
CATATGTACTTTGAATTTGAGAAGTGGGTGATCCCTCTAGGCTTCCTGGAGGTCACATTTAAGCTAGACCTTGA
CAAATTGGTAGGATTTGGTCAGGCACTAGGAGTGGAGCATGAGCTCTGGGGACAGACAGTTATGGGTTCTGGTCC
CACTTTTTATCACTTACTAGTTGTTTGACCTTGGGCAAGTCATTTGACCTTCTGTGCCTCAGTTTCCTCATCTGT
AAAATGGGGCTAACAATATTACCTACCTCATAGGATTTAATGATGTCAAGCTCCTCACTGGAGGCCTTATCCCTT
CGTGGAGCCCACTAGGTGCCGACCCCTCAGAATATAACCCTCATGCCTGGACCCCTGAGAGCTTCTGATCCAGC
TATTAGGGACAGAAGAAGCCTCCAAATCTGGAAGGTGCTGAATGCCCTGCTGACTGGGAAAGTTTCAGGGCACTG
ATGGGGTCTACCTGGTAAGCGGAGGGCCTGAGGAAACCTGTAGCTTCAATCATGTCTGGTAACCGGGTGCCTGAG
CCCCAATCTGGGTGTGAGGAAATAGGGGAGAGGTATCCTGGGCCACATCCCAGCCTAACACCTGTGAGGTTTAT
TTTAGGAATAACCTCATTAGCTATAAGGATCATGCAGAGGCAGCAAAGCCGGGTGCGATGAGCTCAGCCTTTAC
TCATTACATACACCATCACACTTTAATTCCAATCTGTATATTGCTTTTTAAAGTTAAGTCCATTCTAATTACC
CAAATATGCATGAATTC

6707/6881
FIGURE 6193

MGFLKLIENFKSYKGRQIIIGPFQRFRTAIIGPNGSGKSNLMDAISFVLGEKTSNLRVKTLRDLIHGAPVGKPAA
NRAFVSMVYSEEGAEDRTFARVIVGGSSEYKINNKVVLHEYSEELEKLGILIKARNFLVFQGAVESIAMKNPKE
RTALFEEISRSGELAQEYDKRKKEMVKAEDTQFNYHRKKNIAAERKEAKQEKEEADRYQRLKDEVVRAQVQLQL
FKLYHNEVEIEKLNKELASKNKEIEKDKKRMDDKVEDELKEKKELGKMMREQQQIEKEIKEKDSELNOKRPQYIK
AKENTSHKIKKLEAAKKSLOAQKHYYKRRKGDMDLEKEMLSVEKARQEFEEERMEEESQSQGRDLTLEENQVKKY
HRLKEEASKRAATLAQELEKFNDRDQKADQDRDLLEERKKVETEAKIKQKLREIEENQKRIEKLEEYITTSKQSLE
EQKKLEGEELTEEVEMAKRRIDEINKELNQVMEQLGDARIDRQESSRQQRKAEIMESIKRLYPGVSRYGRIDLQCP
TQKKYQIAVTKVLGKNMDAIIVDSEKTGRDCIQYIKEQRGEPETFLPLDYLEVKPTDEKLRELKGAKLVIDVIRY
EPPIKKALQYACGNALVCDNVEDARRIAFGGHQRHKTVALDGTFLFQKSGVISGGASDLKAKARRWDEKAVDKLK
EKKERLTEELKEQMKAKRKEAELRQVQSQAHLQMLKYSQSDLEQTKTRHLALNLQEKSKLESELANFGPRIND
IKRIIQSREREMKDLKEKMNQVEDEVFEEFCREIGVRNIREFEEKVKRQNEIAKKRLEFENQKTRLGIQLDFEK
NQLKEDQDKVHMWEQTVKKDENEIEKLKKEEQRHMKIIDETMAQLQDLKNQHLAKKSEVNDKNHEMEEIRKKLGG
ANKEMTHLQKEVTAIETKLEQKRSRHNLLQACKMQDIKLPLSKGTMDDISQEEGSSQGEDSVSGSQRISSIIYAR
EALIEIDYDGLCEDLKDAQAEIEIKQEMNTLQQKLNEQQSVLQRIAAPNMKAMEKLESVRDKFQETSDEFEAARK
RAKKAKQAFEQIKKERFDRFNACFESVATNIDEIYKALSRNSSAQAF LGPENPEEPYLDGINYNVCVAPGKRFRPM
DNLSGGEKTVAALALLFAIHSYKPAPFFVLDEIDAALDNTNIGKVANYIKEQSTCNFQAIVISLKEEFYTKAESL
IGVYPEQGDVCISKVLTFDLTKYPDANPNPNEQ

6708/6881
FIGURE 6194

CCGGGACGTACGTGGACTGGGGCCGGATAATGCGGGCGCTGCAGAAGATGCGCGAGCTCTTTTCCGGGCTGGG
GTCTGCGCGGCCCTGGAGGCCTGGCCGGCCTTGACAGATCGCTGTGGAGAATGGCTTCGGGGGTGTGCACAGCCAG
GAGAAGGCCAAGTGGCTGGGGGGTGCAGTGGAGGATTACTTCATGCGCAATGCTGACTTGGAGCTAGATGAGGTG
GAAGACTTCCTTGGAGAGCTGTTGACCAACGAGTTTGATACAGTTGTGGAAGACGGGAGTCTGCCCCAGGTGAGC
CAGCAACTGCAGACCATGTTCCACCACTTCCAGAGGGGTGATGGGGCTGCTCTGAGGGAGATGGCCTCCTGCATC
ACTCAGAGAAAATGCAAGGTCACAGCCACTGCACTTAAGACAGCTAGAGAGACTGATGAGGATGAAGATGATGTG
GACAGTGTGGAAGAGATGGAGGTACAGCTACGAATGATGGGGCTGCTACAGATGGGGTCTGCCCCAGCCTGAA
CCCTCTGATCCAGACGCTCAGACTATTAAGGAAGAGGATATAGTGAAGATGGCTGGACCATTGTCCGGAGAAAA
AAATGAGTGGGGATGATTGGAATGGCTTTGGGCCCTTATTTGCTGTTCTAAGAGTTGTCTGTAGGGGTTTTTTT
TTTGAGGATTGCAGACCTGTGGACTGGTTACCCCATCTCCACCCTCTCCCCTGTTCTCTGTCTGGCTCCCTCCA
GGGCAAGGAAAACCTAGGGTCCTTGGTCTTGGGGGTGGGGGGACCTTTTCCAGCATATTCCTTGGGCCTTTAGT
TAACATCCGAGTGACGAAGCCGGGTTCCCAGTACAGTGTCTTTTGGGTGCGGTCAATTGTGAGGAAGGGGATGAG
TGAGTGTGGGTGTGGCTGGAGGAGGAGCTAGATGCCGTGGACAGTGGGCAGGTGGATTTGGGGAGGAGAGGATC
AGCAGCAGCAGCAGTACTCAGTGATAGGGGGCTGGCTGGGTGAGGAATGGTGAGATGAACATGCAAGTGAAGAG
AGAATAGTTGAAAATGTGAATGAAAGTAGCTCTGGAGCCTCTCCCTTACCCACCCACACACACGCAACAGCTC
TGTACCCCTGCCCAGAACTTGGAACCTCCCAGGAATGCTGCCTTCCTTCAGCCCAGCCTCCAGTCTCTGGGTTCCT
TCAGGAATTCGAAGACCTTGGCTAGGTGGTGAGCTTGAAGAGCTGGGCTTTGTTTTCTGTCTCTCTAACCTCT
TTCCTTACTCCTTATCCCATCCCATTTGAGTTCAGGGGTGAGGCTTAAGATCTTAATAAATAATACCTTACTGCT
TAATCTGTGGCTTGACCTGTGAGTAGTAGCCTTAGAATCAGCCTTCTGGGAGCTCAGCTTCAGAGTTTACAAGGG
AGCAGTTTCTGGGCCACCCTAGCAGCCTGGTACTTTGGACAACCAAACAGATGAACGAACGGAGCACAGCAGTG
CTATGAAAGTTACTGTAAGCCTGAAATAAACTGTATTTTCT

6709/6881
FIGURE 6195

MAGAAEDARALFRAGVCAALEAWPALQIAVENGFGGVHSQEKAKWLGGAVEDYFMRNADLELDEVEDFLGELLTN
EFDTVVEDGSLPQVSQQLQTMFHHFORGDGAALREMA SCITQRKCKVTATALKTARETDEDEDVDSVEEMEVTA
TNDGAATDGVCPQPEPSDPDAQTIKEEDIVEDGWTIVRRKK

6710/6881
FIGURE 6196

GATCCGGAAGTCGGAGCCTAGCTGCGCGAGAGTTTCTGCTCGCTCAACCGAGTTGTCGTGTTGCCCTCGCTTCTC
AGATCCCCGCCGGAAGTGAAGAGAGCAAGCAGATTTGAACCTATCTGCTTTCAAGCTGGTCATCATGATGAAACT
TAGACACAAAAATAAAAAGCCAGGTGAAGGTTCCAAGGGCCACAAGAAGATAAGTTGGCCCTACCCTCAGCCTGC
AAAGCAAAATGGGAAGAAAGCAACCTCCAAAGTGCCCTCTGCACCTCATTTTGTTCACCCCAATGATCATGCCAA
TCGAGAGGGCTGAATTAAAGAAGAAGTGGGTTGAGGAGATGAGGGAGAAGCAGCAAGCCGCCGGGAGCAAGAAAG
ACAAAAACGCAGGACCATTGAGAGCTACTGTGAGGATGTCTTAAGACGCCAGGAGGAGTTTGAGCATAAGGAGGA
AGTTTTGCAGGAATTAAATATGTTTCCTCAGCTGGATGACGAGGCCACGAGGAAGGCTTATTACAAGGAGTTCCG
TAAGGTGGTGGAACTACTCTGATGTGATTCTGGAAGTCCTGGATGCCAGAGACCCATTAGGCTGCCGCTGCTTCCA
AATGGAGGAGGCTGTCTGCGAGCACAAAGGCAACAAGAAGCTGGTCCTGGTCTTGAACAAGATTGACCTGGTCCC
CAAGGAGGTTGTGGAGAAATGGCTGGATTACCTTCGGAATGAGTTGCCAACCGTGGCTTTCAAGGCCAGTACCCA
GCATCAGGTCAAAAACCTGAATCGTTGCAGTGTGCCAGTAGATCAGGCCTCTGAGTCACTGCTGAAAAGCAAAGC
CTGCTTTGGAGCTGAAAACCTCATGAGGGTTCTGGGGAACATTGCGCGCTTGGTGAAGTGCGCACCCACATTG
TGTGGGTGTTGTGGGTCTTCCCAATGTTGGGAAGAGCAGCCTGATCAATAGCCTGAAGCGCAGCCGCGCATGCAG
CGTGGGAGCTGTTCTGGAATTACCAAATTCATGCAGGAGGTCTACCTGGACAAGTTTATCCGGCTCTTGATGC
TCCAGGCATTGTCCCAGGGCCCAACTCAGAGGTGGGCACCATCCTGCGTAACCTGCGTCCACGTGCAGAAGCTGGC
AGACCCTGTGACCCCACTGGAGACCATCCTGCAGCGCTGCAACCTGGAGGAGATTTCCAACCTATTATGGCGTCTC
TGGGTTCCAGACCACTGAGCACTTTCTGACGGCAGTGGCCACCCTTGGGGAAGAAGAAGAAGGGAGGCTTATA
TÄGTCAGGAACAGGCGGCCAAAGCTGTCTAGCTGACTGGGTGAGCGGGAAGATCAGCTTCTATATACCACCACC
AGCCACTCACACTCTGCCCACCCATCTCAGTGCTGAGATCGTTAAGGAAATGACCGAGGTCTTTGACATCGAGGA
TACTGAGCAGGCCAATGAAGACACCATGGAATGCTTGGCCACCGGAGAATCTGATGAGCTGTTGGGTGACACGGA
CCCCTTGAAATGGAGATCAAGTTGCTCCATTCTCCGATGACGAAAATAGCAGATGCCATTGAAAATAAAACCAC
CGTGTATAAGATTGGAGATCTCACTGGGTATTGCACCAATCCGAACCGTCATCAGATGGGGTGGGCTAAACGCAA
TGTGGACCACCGCCCTAAGAGCAACAGTATGGTGGATGTCTGCTCAGTGGACCGCCGCTCAGTGCTGCAGAGGAT
CATGGAGACGGACCCCTGCAACAGGGCCAGGCTCTGGCATCTGCCCTGAAAAATAAGAAGAAGATGCAGAAACG
TGCAGATAAAATCGCCAGCAAGCTGTCTGATTCCATGATGTCTGCTCTCGACCTCTCTGGCAATGCTGATGATGG
TGTTGGTGACTAATCGACTGATCTCACTTCCCTTCCGCTCCAAGCACCAGTTCCGGTGGTACGGGGGAATACCAG
TGAAATAGTTTGGTTCTCCCTGAAGCATCTGCATATTGAAAGAACGCTTTCCCCACTGTGTGTCTTCTCCCCCTC
CTCCAGTAAAAACAGTCCCGGCTAGGTGCTGTGGCTCACGTCTGTAATCCAGCACTTTGGGAGGCCGAGGTGGG
CAGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCGCTCTCTACTAAAAATACAAA
AAAATTTAGCCGTGCTTAGTGGCACCTATAATCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCCTGAACCT
GGGAGACTAAGGCAGGAGAATCGCCTGAACCTGGGAGGCAGAGGTTGCAGTGAGCCCAGACGGCACCATTGCACT
CTAGCCTGGGCAACAACACGAACTCCGTCCC

6711/6881
FIGURE 6197

TAGAGAAGGCAGACGCATCCCGAACTCGCTGGAGGACAAGGCTCAGCTCTTGCCAGGCCAAATTGAGACATGTCT
GACACAAGCGAGAGTGGTGCAGGTCTAACTCGCTTCCAGGCTGAAGCCTCAGAAAAGGACAGTAGCTCGATGATG
CAGACTCTGTTGACAGTGACCCAGAATGTGGAGGTCCCAGAGACACCGAAGGCCTCAAAGGCACTGGAGGTCTCA
GAGGATGTGAAGGTCTCAAAGCCTCTGGGGTCTCAAAGGCCACAGAGGTCTCAAAGACCCAGAGGCTCGGGAG
GCACCTGCCACCCAGGCCTCATCTACTACTCAGCTGACTGATACCCAGGTTCTGGCAGCTGAAAACAAGAGTCTA
GCAGCTGACACCAAGAAACAGAATGCTGACCCGAGGCTGTGACAAATGCCTGCCACTGAGACCAAAAAGGTCAGC
CATGTGGCTGATACAAAGGTCAATACAAAGGCTCAGGAGACTGAGGCTGCACCCTCTCAGGCCCCAGCAGATGAA
CCTGAGCCTGAGAGTGACAGCTGCCCAGTCTCAGGAGAATCAGGATACTCGGCCCAAGGTCAAAGCCAAGAAAGCC
CGAAAGGTGAAGCATCTGGATGGGGAAGAGGATGGCAGCAGTGATCAGAGTCAGGCTTCTGGAACCACAGGTGGC
CGAAGGGTCTCAAAGGCCCTAATGGCCTCAATGGCCCGCAGGGCTTCAAGGGGTCCCATAGCCTTTTGGGCCCGC
AGGGCATCAAGGACTCGGTTGGCTGCTTGGGCCCGGAGAGCCTTGCTCTCCCTGAGATCACCTAAAGCCCGTAGG
GGCAAGGCTCGCCGTAGAGCTGCCAAGCTCCAGTCATCCCAAGAGCCTGAAGCACCACCACCTCGGGATGTGGCC
CTTTTGCAAGGGAGGGCAAATGATTTGGTGAAGTACCTTTTGGCTAAAGACCAGACGAAGATTCCCATCAAGCGC
TCGGACATGCTGAAGGACATCATCAAAGAATACTGATGTGTACCCCGAAATCATTGAACGAGCAGGCTATTCC
TTGGAGAAGGTATTTGGGATTCAATTGAAGGAAATTGATAAGAAATGACCACTTGTACATTCTTCTCAGCACCTTA
GAGCCCACTGATGCAGGCATACTGGGAACGACTAAGGACTCACCCAAGCTGGGTCTGCTCATGGTGCTTCTTAGC
ATCATCTTCATGAATGGAAATCGGTCCAGTGAGGCTGTCTCTGGGAGGTGCTGCGCAAGTTGGGGCTGCGCCCT
GGGATACATCATTCACTCTTTGGGGACGTGAAGAAGCTCATCACTGATGAGTTTGTGAAGCAGAAGTACCTGGAC
TATGCCAGAGTCCCCAATAGCAATCCCCCTGAATATGAGTTCTTCTGGGGCCTGCGCTCTTACTATGAGACCAGC
AAGATGAAAGTCCTCAAGTTTGCTGCAAGGTACAAAAGAAGGATCCCAAGGAATGGGCAGCTCAGTACCGAGAG
GCGATGGAAGCGGATTTGAAGGCTGCAGCTGAGGCTGCAGCTGAAGCCAAGGCTAGGGCCGAGATTAGAGCTCGA
ATGGGCATTGGGCTCGGCTCGGAGAATGCTGCCGGGGCCCTGCAACTGGGACGAAGCTGATATCGGACCCTGGGCC
AAAGCCCGGATCCAGGCGGGAGCAGAAGCTAAAGCCAAAGCCCAAGAGAGTGGCAGTGCCAGCACTGGTGCCAGT
ACCAGTACCAATAACAGTGCCAGTGCCAGTGCCAGCACCAGTGGTGGCTTCAGTGCTGGTGCCAGCCTGACCGCC
ACTCTCACATTTGGGCTCTTCGCTGGCCTTGGTGGAGCTGGTGCCAGCACCAGTGGCAGCTCTGGTGCCCTGTGGT
TTCTCCTACAAGTAGAGATTTTAGATATTGTTAATCCTGCCAGTCTTTCTCTTCAAGCCAGGGTGCATCCTCAGAA
ACCTATCCAACACAGCACTCTAGGCAGCCACT

6712/6881
FIGURE 6198

MSDTSESGAGLTRFQAEASEKDSSSMQTLLTVTONVEVPETPKASKALEVSEDVKVSKASGVSKATEVSKTPEA
REAPATQASSTTQLTDTQVLAAENKSLAADTKKQNADPQAVTMPATETKKVSHVADTKVNTKAQETEAAPSQAPA
DEPEPESAAAQSQENQDTRPKVKAKKARKVKHLDGEEDGSSDQSQASGTTGGRRVSKALMASMARRASRGPIAFW
ARRASRTRLAAWARRALLSLRSPKARRGKARRRAAKLQSSQEPEAPPPRDVALLQGRANDLVKYLAKDQTKIP I
KRSDMLKDIIKEYTDVYPEIIERAGYSLEKVFGIQLKEIDKNDHLYILLSTLEPTDAGILGTTKDSPKLGLLMVL
LSIIFMNGNRSSEAVIWEVLRLKGLRPGIHHSILFGDVKKLITDEFVKQKYLDYARVPNSNPPEYEFFWGLRSYYE
TSKMVKLKFACKVQKKDPKEWAAQYREAMEADLKAAAEAAAEAKARAEIRARMGIGLSENAAGPCNWDEADIGP
WAKARIQAGAEAKAKAQESGSASTGASTSTNNSASASASTSGGFSAGASLTATLTFGLFAGLGAGASTSGSSGA
CGFSYK

6713/6881
FIGURE 6199

TGGCCAACTTCTGAACAGGAAGCAGTTCGCTCGCGCCTAGGTTGGCGCGGGCTGGGAGGTGTTCCAGCCCTTTAA
GATGTTGCGCGTGGTGAGCTGGAACATCAATGGGATTTCGGAGACCCCTGCAAGGGGTGGCAAATCAGGAACCCAG
CAACTGTGCCGCCGTGGCCGTGGGGCGCATTTTGGACGAGCTGGATGCGGATATCGTCTGTCTCCAGGAAACCAA
AGTGACCAGGGATGCACTGACAGAGCCCCCTGGCTATCGTTGAGGGTTATAACTCCTATTTTCAGCTTCAGCCGCAA
CCGTAGCGGCTATTCTGGTGTAGCCACCTTCTGTAAGGACAATGCTACCCAGTGGCTGCTGAAGAAGGCCTGAG
TGGCCTGTTTGCCACCCAGAAATGGGGATGTTGGTTGCTATGGAAACATGGATGAGTTTACCCAAGAGGAACTCCG
GGCTCTGGATAGTGAGGGCAGGGCCCTCCTCACACAGCATAAGATCCGCACATGGGAAGGTAAGGAGAAGACCTT
GACCCTAATCAACGTGTACTGCCCCCATGCGGACCCTGGGAGGCCTGAGCGGCTAGTCTTTAAGATGCGCTTCTA
TCGTTTGCTGCAAATCCGAGCAGAAGCCCTCCTGGCGGCAGGCAGCCATGTGATCATTCTGGGTGACCTGAATAC
AGCCCCACCGCCCCATTGACCACTGGGATGCAGTCAACCTGGAATGCTTTGAAGAGGACCCAGGGCGCAAGTGGAT
GGACAGCTTGCTCAGTAACCTGGGGTGCCAGTCTGCCTCTCATGTAGGGCCCTTCATCGATAGCTACCGCTGCTT
CCAACCAAAGCAGGAGGGGGCCCTTCACCTGCTGGTCAGCAGTCACTGGCGCCCGCCATCTCAACTATGGCTCCCG
GCTTGACTATGTGCTGGGGGACAGGACCCTGGTCATAGACACCTTTTCAGGCCTCTTTCCTGCTGCCTGAGGTGAT
GGGCTCTGACCACTGCCCTGTGGGTGCAGTCTTGAGTGTGCTCTGTGCTGCTGCAAAACAGTGCCACCTCTGTG
CACCCGCTTCTCCTGAGTTTGCAGGCACCCAGCTCAAGATCCTTCGCTTCTAGTTCCTCTCGAACAAAGTCC
TGTGTTGGAGCAGTCGACGCTGCAGCACAACAATCAAACCCGGGTACAGACATGCCAAAACAAAGCCCAAGTGC
CTCAACCAGGCCTCAGCCAGTCAGGTTGGCTCTAGCAGAGGCCAGAAAAACCTGAAGAGCTACTTTTCAGCCCTC
CCCTAGCTGTCCCAAGCCTCTCCTGACATAGAGCTGCCTAGCCTACCACTGATGAGCGCCCTCATGACCCCGAA
GACTCCAGAAGAGAAGGCAGTGCCCAAAGTGGTGAAGGGGCAGGCCAAGACTTCAGAAGCCAAAGATGAGAAGGA
GTTACGGACCTCATTCTGGAAGTCTGTGCTGGCGGGGCCCTTGCGCACACCCCTCTGTGGGGGCCACAGGGAGCC
ATGTGTGATGCGTACTGTGAAGAAGCCAGGACCCAACTTGGGCCGCGCTTCTACATGTGTGCCAGGCCCGGGG
TCCTCCCACTGACCCCTCCTCCCGGTGCAACTTCTTCTCTGGAGCAGGCCAGCTGAACCAATGGAGGCCTGGG
GACATCTGGCATGGTCACCCCTGCACATGATCTGAGGCCAGCTCCCCTTCCCTGAGCTGCCTCCTGCTTCTCCCT
CAAAGTCTCCTACCCCTTCTTCTCTTTTAAGCCCTCTCTTCTCGCTTTTCTTCTTACCTAGCTCCTTGTGG
TGAGCTTCTTGTGCTTAATCCTGTGACCCAGCCCTTACACCACTTTCCACCTTCTGTCCGAAGTACACGGAC
ACTAGCTGCCCCAGGAAGTTGTGTGATTTTAAATCACTTCTGTCTTTGCTGGAAAGTGATTTTGTGCATAAATAA
AGTCTGTGTATTTGTTTCAGGGTTGCAAAAAAAAAAAAAA

6714/6881
FIGURE 6200

MLRVVSWNINGIRRPLQGVANQEPSNCAAVAVGRILDELDADIVCLQETKVTRDALTEPLAIVEGYNSYFSFSRN
RSGYSGVATFCKDNATPVAAEEGLSGLFATQNGDVGCYGNMDEFTQEELRALDSEGRALLTQHKIRTWEGKEKTL
TLINVYCPHADPGRPERLVFKMRFYRLLQIRAEALLAAGSHVILGDLNTAHRPIDHWDAVNLECFEEDPGRKWM
DSLNLGQCQSASHVGPFIDSYRCFQPKQEGAFTCWSAVTGARHLNYGSRLDYVLGDRTLVIDTFQASFLLPEVM
GSDHCPVGAVLSVSSVPAKQCPPLCTRFLPEFAGTQLKILRFLVPLEQSPVLEQSTLQHNNQTRVQTCQNKQVR
STRPQPSQVGSSRGQKNLKSYPSPSPQASPDIELPSLPLMSALMTPKTPEEKAVAKVVKQAKTSEAKDEKE
LRISFWKSVLAGPLRTPLCGGHREPCVMRTVKKPGPNLGRRFYMCARPRGPPTDPSSRCNFFLWSRPS

6715/6881
FIGURE 6201

GCCACCGCCAGCAGGGAGGCGGAGGGCTAGCGAGCCAAGCGGTGGGGACGCGCTGCCTTCCTCTTTGCCTGTCT
CGCCGCCCTCCTAGACACGCTCCTCATCTACGGATCCTACCCCTCCCCGCTCTTGCAAGCATTCACTCGGCCGGTC
GCCTGCTGACCCTCCTTCGCCACAGGCTCGTAGCGGAGGCAGCAGCGAGCAGGCATGAAGACCCCCAACGCACAG
GAAGCCGAAGGGCAACAAACCAGGGCAGCTGCAGGACGGGCCACTGGGTCTGCAAACATGACAAAGAAAAAAGTC
TCCCAAAGAAGCAGAGAGGCCGACCTTCATCCCAGCCCCGCAGGAACATCGTGGGCTGCAGAATTTCTCATGGA
TGGAAGGAAGGAGATGAGCCCATCACGCAGTGGAAGGAACCGTTCTGGATCAGGTGCCTATAAATCCCTCTCTT
TATCTGGTGAAATATGATGGAATTGACTGTGTCTATGGACTGGAAC TTCACAGAGATGAAAGGGTTTTGTCTCTT
AAAATTCTTTCTGACAGGGTGGCATCATCTCACATTAGTGATGCCAACCTTGCAAATACCATAATTGGCAAAGCA
GTGGAACATATGTTTGAGGGAGAGCATGGTTCTAAGGATGAATGGAGGGGGATGGTCTTAGCTCAAGCACCTATC
ATGAAAGCCTGGTTTTATATTACCTATGAGAAAGATCCTGTCTTGACATGTACCAGCTTCTAGATGATTATAAG
GAAGGTGACCTCCGCATCATGCCAGAATCCAGTGAGTCTCCTCCAAACAGAGAGGGAGCCAGGAGGAGTTGTAGAT
GGCCTAATAGGTAAGCATGTGGAATATACCAAAGAAGATGGCTCCAAAAGGATCGGCATGGTCATTACCAAGTG
GAAGCCAAACCCTCTGTGTATTTTCATCAAGTTTGATGATGATTTCATATCTATGTCTACGATTTGGTGAAAAAG
TCCTAACTGTTAGGGTAAAATTTGGCACATGTGTGGAACAAATGTATAATTTGTAGACATGAAAAAATGTTGC
CTTTCAGTGTATTGAAAGCTTATGGAATCCCTGATAACTAAACATCTTTGCCAGCATTAACTGTTGTTTTGCTCT
AAAAAATACAACTTGTGTGTACATG

6716/6881
FIGURE 6202

MKTPNAQEAEQQOTRAAAGRATGSANMTKKKVSQKKQGRPSSQPRRNIVGCRISHGWKEGDEPITQWKGTVLDQ
VPINPSLYLVKYDGIDCVYGLELHRDERVLSLKILSDRVASSHISDANLANTIIGKAVEHMFEGEHGSKDEWRGM
VLAQAPIMKAWFYITYEKDPVLYMYQLDDYKEGDLRIMPESSESPTEREPGGVVDGLIGKHVEYTKEDGSKRI
GMVIHQVEAKPSVYFIKFDDDFHIYVYDLVKKS

6717/6881
FIGURE 6203

GGCAGTGGGGGTTACAGACAGCACCAGAGGCACTCAGGGCAGGAGGGTAGTGGGTGCTGGTCAAGGCCGCTTTGC
AGGGGATTGGGAGTGGATGCTAGTGGCAGTAAAGGGTAAAGGGAGGGCAGTGGGCTCTGAGCTAGGAGGAGGTGG
CCCAGCCACTTCTGCAGAGTTCCTAACCCACAGACAGCTCTACTGCACCACCCAGCCCTTCCCCACAGCCCAAAG
GAACTTAAGAGGGAGAGCACTGCGGGCATGCAGCCAGGATTTCCAGCATTGCTTCCAGGCTCCTAGGGGAAACTT
AGGCACTAGCGCAGACTACATCCAGACATGGCTATAGGGAAAAGTTTGCCCTTGTGGCACACTGGGTGTGTCTCTC
TATCCTCTCTCCTCCCCCAGCAGGCATGAAGACCCCCAACGCACAGGAAGCCGAAGGGCAACAAACCAGGGCAGC
TGCAGGACGGGGCCACTGGGTCTGCAAACATGACAAAGAAAAAAGTCTCCCAAAAGAAGCAGAGAGGGCCGACCTTC
ATCCCAGCCCCCGAGGAACATCGTGGGCTGCAGAATTTCTCATGGATGGAAGGAAGGAGATGAGCCCATCACGCA
GTGGAAAAGGAACCGTTCTGGATCAGGTGCCTATAAATCCCTCTCTTTATCTGGTGAAATATGATGGAATTGACTG
TGTCTATGGACTGGAACCTCACAGAGATGAAAGGGTTTTGTCTCTTAAATTCCTTCTGACAGGGTGGCATCATC
TCACATTAGTGATGCCAACCTTGCAAATACCATAATTGGCAAAGCAGTGGAACACATGTTTGAGGGAGAGCATGG
TTCTAAGGATGAATGGAGGGGGATGGTCTTAGCTCAAGCACCTATCATGAAAGCCTGGTTTTATATTACCTATGA
GAAAGATCCTGTCTTGTACATGTACCAGCTTCTAGATGATTATAAGGAAGGTGACCTCCGCATCATGCCAGAATC
CAGTGAGTCTCCTCCAACAGAGAGGGAGCCAGGAGGAGTTGTAGATGGCCTAATAGGTAAGCATGTGGAATATAC
CAAAGAAGATGGCTCCAAAAGGATCGGCATGGTCATTACCAAGTGGAAACCAAACCCCTCTGTGTATTTTCATCAA
GTTTGATGATGATTTCCATATCTATGTCTACGATTTGGTGAAAAAGTCTTAAGTGTAGGGTAAAATTTGGCACA
TGTGTGGAACAAATGTATAATTTGTAGACATGCAAAAAATGTTGCCTTTCAGTGTACTGAAAGCTTATGGAATC
CCTGATAACTAAACATCTTTGCCAGCATTAAGTGTGTTTTGCTCTAAAAAATACAAATTTGTGAATACATGACA
TGCTGTCTGTAAGCCCTTTGTCTTGTGAAAAGTTGCGGTGTGTTTGGTAGATGGGGCATGGAAGGAACGAACAG
CTGTCAATTTGCGCTGTGAATAAAGTTCAGCTAGAATCATAATCAGTCATTTAAAAATGGCACTGGATTTAGCTG
GTCTGGTCTGGAGGGGGCAGGGGAAGGAACAAGAGATTGGCTGTCTTGGGGAGAGAGGAGGAGGTGACTGCTTAG
GAAGAGGTGGAAGGGGCCAGAAAGGGAGGGGCTCCTTGGGGGAGGGGATGACCTATGAGAAGGAACATCCAAC
TCAGAAGGAAGACTAACAGAGGGAGAGTGAGATCTTGGGGCTTAGAGGAAAAATAGAATAAAGTGTAGAGAGGA
ACACAAAGAAGCTTAGAAGAGGGTCCAGAGTAAGGTGGAGAAGGATCAACCTGACAGGGATCTGGGAGAGGCTAA
AGGATACACAAAGGAAGAGGCTATGTGGGTTAGGGTGTGGAGGGATTAGAAGAGGGCCACTGAGGAAGGAGGAA
TTCAAAGAAGAAAGACTGACAGAGGGAGTGAGAATACAGGAAAAGAGTTGTGGGGTATGGGGCCCATGAGAGATC
GGAAGGCCCAGGAAAAATGTTGGACTTCTGGTAGTGTCCACATTGCTCTTCTGCTCTATGCACAAAGGAAGTGG
CAACTGTCAAAGATGCCAGATGCATTGGAGGTTCACTAGAAGAGCATGTTGACAGGAATGACTCAGTCAAGTTAA
TCAGGAGCCAAGTTTATGCCCATAAGGCTTTTTCTGTTTCAGGGAGTTAATGACACACTTGTCCAGCAGAAACCC
AATGCTCAGCCTAAACACGCTAACATGGTGCCCCACATGTGCTGGGCTGTGGGCTGCCTCCTCACATTTGCTCTG
CGCTAGATAAGCAATCTTGGTAGAGGATGGGTTAGTGGGGCTCTCAGAACTTAAGAGATGTGCCATCTTGCAATTT
GGAAAGTACTTTATCCAGAAAAAATGAAATCTTACTGAACTCAGGTACAGCAGTCTCATCACTCTTCTCTCT
GCTGGAATGTTTGTCTTCTATCTAGAGATGAGGGGCATCAGAGGACTGAGCCTAGTGTCTCTCGAG

6718/6881
FIGURE 6204

GGTAGCAGGAGGCTGGAAGAAAGGACAGAAAGTAGCTCTGGCTGTGATGGGGATCTTACTGGGCCTGCTACTCCTG
GGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGGAAGTGCCAGAGAGTGTAACAGGACCTTGGAAGGG
GATGTGAATCTTCCCTGCACCTATGACCCCTGCAAGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGT
GGCTCAGACCCTGTCAACATCTTTCTACGTGACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGC
CTGCATGTGAGCCACAAGGTTCCAGGAGATGTATCCCTCCAATTGAGCACCCCTGGAGATGGATGACCGGAGCCAC
TACACGTGTGAAGTCACCTGGCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTC
CAGAACTCTCTGTCTCCAAGCCCACAGTGACAACTGGCAGCGGTTATGGCTTCACGGTGCCCCAGGGAATGAGG
ATTAGCCTTCAATGCCAGGCTCGGGGTTCTCTCCCATCAGTTATATTTGGTATAAGCAACAGACTAATAACCAG
GAACCCATCAAAGTAGCAACCTAAGTACCTTACTCTTCAAGCCTGCGGTGATAGCCGACTCAGGCTCCTATTTTC
TGCACTGCCAAGGGCCAGGTTGGCTCTGAGCAGCACAGCGACATTGTGAAGTTTGTGGTCAAAGACTCCTCAAAG
CTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAAGCAACATCTACAGTGAAGCAGTCC
TGGGACTGGACCACTGACATGGATGGCTACCTTGGAGAGACCAGTGCTGGGCCAGGAAAGAGCCTGCCTGTCTTT
GCCATCATCCTCATCATCTCCTTGTGCTGTATGGTGGTTTTTACCATGGCCTATATCATGCTCTGTGCGGAAGACA
TCCCAACAAGAGCATGTCTACGAAGCAGCCAGGGCACATGCCAGAGAGGCCAACGACTCTGGAGAAACCATGAGG
GTGGCCATCTTCGCAAGTGGCTGCTCCAGTGATGAGCCAACTTCCAGAATCTGGGCAACAACACTACTCTGATGAG
CCCTGCATAGGACAGGAGTACCAGATCATCGCCAGATCAATGGCAACTACGCCCGCCTGCTGGACACAGTTTCT
CTGGATTATGAGTTTCTGGCCACTGAGGGCAAAAGTGTCTGT**TAAAAA**TGCCCCATTAGGCCAGGATCTGCTGAC
ATAATTGCCTAGTCAGTCCTTGCCCTTCTGCATGGCCTTCTTCCCTGCTACCTCTCTTCTGGATAGCCCCAAAGTG
TCCGCCTACCAACACTGGAGCCGCTGGGAGTCACTGGCTTTGCCCTGGAATTTGCCAGATGCATCTCAAGTAAGC
CAGCTGCTGGATTTGGCTCTGGGCCCTTCTAGTATCTCTGCCGGGGGCTTCTGGTACTCCTCTCTAAATACCAGA
GGGAAGATGCCCATAGCACTAGGACTTGGTCATCATGCCTACAGACACTATTCAACTTTGGCATCTTGCCACCAG
AAGACCCGAGGGAGGCTCAGCTCTGCCAGCTCAGAGGACCAGCTATATCCAGGATCATTCTCTTTCTTCAGGGC
CAGACAGCTTTTAATTGAAATTGTTATTTACAGGCCAGGGTTCAGTTCTGCTCCTCCACTATAAGTCTAATGTT
CTGACTCTCTCCTGGTGCTCAATAAATATCTAATCATAACAGCAAAAAAAAAAAAAAAAAAAAAA

6719/6881
FIGURE 6205

MGILLGLLLLGHLLTVDTYGRPILEVPESVTGPWKGDVNLPCITYDPLQGYTQVLVKWLVQRGSDPVTIFLRDSSGD
HIQQAKYQGRLHVSHKVPDVSLLQSLSTEMDDRSHTCEVTWQTPDGNQVVRDKITELRVQKLSVSKPTVTTGSG
YGFTVPQGMRLSLQCQARGSPPISYIWKQQTNNQEPKIVATLSTLLFKPAVIADSGSYFCTAKQVGSEQHSDI
VKFVVKDSSKLLKTKTEAPTTMTYPLKATSTVKQSWDWTDMGYLGETSAGPGKSLPVFAIILIIISLCCMVFT
MAYIMLCRKTSQQEHVYEAARAHAREANDSGETMRVAIFASGCSSDEPTSQNLGNNYSDEPCIGQEYQIIAQING
NYARLLDTVPLDYEFLEATEGKSVC

6720/6881
FIGURE 6206

CAGTAGTGCTAGCAGCTTCGCGGTTTCGGTCCTCGGACCCGGCAGCCACCACTGGTGCTGAGCTGCTAGGAAGCCC
CTATCGGCGAGCTCTTTGGAGCTTGAACCCATTGTCACTCCTCCGACTCACCGGAAAAACAAAAATGGGTGAA
GCAGATCGCCTAGGAAAGTTTTTCATTGGTGGGCTTAATACGGAAACAAATAAGAAAGCTCTTGAAGCAGTATTT
GGCAAATATGGACAAATAGTGGAAGTACACTTGATGAAAGACTGTGAAACCAACAAATCAAGAGGATTTGCTTTT
ATCACCTTTGAAAGACCAGCAGACGCTAAGGATGCAGCCAGAGACATGAATGGAAAGTCATTAGATGGAAAAGCC
ATCAAGGTGGAACAAGCCACCAACCGTCATTTGAAAGTGGTAGACGTGGACCGCCTCCACCTCCAAGAAGTAGA
GGCCCTCCAAGAGTTCTTAGAGGTGGAAGAGGAGGAAGTGGAGGAACCAAGGGAACCTCCCTCACGGGGAGGACAC
ATGGATGACTGGTGGATATTCCATGAATTTTAACATGAGTTCTTCCAGGGGACCACTCCAGTAAAAAGAGGACC
ACCACCAAGAAGTGGGGGTCTTCTCCTAAGAGATCTGCACCTTCAGGACCAGTTCGCAGTAGCAGTGGAAATGGG
AGGAAGAGCTCCTGTATCACGTGGAAGAGATAGTTACCGAGGTCCACCTCGAAGGGAATCGCTGCCCTCTTG TAG
AGAGCTCCACCTACACGAGGGCGCCCCATCTTATGGTGGAAAGCAGTCGCTATGATGATTACAGCAGCTCACGTG
ACGGATATGGTGGAAAGTCGAGACAGTTACTCAAGCAGTCGAAGTGATCTCTACTCAAGTGGTCGTGATCAGGTTG
GCAGACAAGAAAGAGGGCTTCCCCCTTCTATGGAAAGGGGGTACCCTCCTCCACGTGATTCTTACAGCAGTTCAA
GCCGTGGAACACCAAGAGGTGGTGGCCGTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATACTAGA
AACAAACAAAACTTTGTACCAAAATCCCAGTTCAAAGAAACAAAAAGTGGAACTATTCTATCATAACTACCCAA
GAACTACTAAAAGGAAAAATTGTGTTACCTTTTTTAAAATTCCCTGTTAAGCTCCCCTCCATAATTTTTATGTTT
TTGTGAGGAAAAAAGTAAAACATGTTTAATTTTATTTGACTTTTGCAATTGCTTTTCAACAAGCAAATGTTAAAT
GTGTTAAGACTTATACTAGTGTTGTAACCTTTCCAAGTAAAAGTATCCCTAAAGGCCACTTCCTATCTGATTTTTT
CCAGTAAATGAGGCAGGCAATTCTAAGATCTTCCACAAAACATCTAGCCATCTAAAATGGAGAGATGAATCATTC
TACCTACACAAACAAGCTAGCTATTAGAGGGTGGTTGGGATATGCTACTCATAAGATTTTCAGGGTGTCTTCCAAC
TGAAATCTCAATGTTCTTAGTATGAAAAACCTGAAATCGCATGCCTATTCACCCAGTAAACCCAAAAAGCAAAT
GGATAATGCTGGCCATTCTGCCTTTCTGACATTTCTTGGGAATCTGCAAGAACCTCCCCTTTCCCCTCCCCAA
TAAGACCATTTAAGTGTGTGCTAAACAATAAGAATACTAAATAAAATGTTTGGCCAAAACC

6721/6881
FIGURE 6207A

GGCCAGCCGAATCCAAGCCGTGTGTACTGCGTGCTCAGCACTGCCCGACAGTCCTAGCTAAACTTCGCCAACTCC
GCTGCCTTTGCCGCCACCATGCCCCAAAACGATCAGTGTGCGTGTGACCACCATGGATGCAGAGCTGGAGTTTGCC
ATCCAGCCCAACACCACCGGGAAGCAGCTATTTGACCAGGTGGTGAAAACCTATTGGCTTGAGGGAAGTTTGGTTC
TTTGGTCTGCAGTACCAGGACACTAAAGGTTTTCTCCACCTGGCTGAAACTCAATAAGAAGGTGACTGCCAGGAT
GTGCGGAAGGAAAGCCCCCTGCTCTTTAAGTTCCGTGCCAAGTTCTACCCTGAGGATGTGTCCGAGGAATTGATT
CAGGACATCACTCAGCGCCTGTTCTTTCTGCAAGTGAAAGAGGGCATTCTCAATGATGATATTTACTGCCCGCCT
GAGACCGCTGTGCTGCTGGCCTCGTATGCTGTCCAGTCTAAGTATGGCGACTTCAATAAGGAAGTGCATAAGTCT
GGCTACCTGGCCGGAGACAAGTTGCTCCCGCAGAGAGTCTTGAACAGCACAACTCAACAAGGACCAGTGGGAG
GAGCGGATCCAGGTGTGGCATGAGGAACACCGTGGCATGCTCAGGGAGGATGCTGTCTTGAATATCTGAAGATT
GCTCAAGATCTGGAGATGTATGGTGTGAAGTACTTACAGCATCAAGAACAAGAAAGGCTCAGAGCTGTGGCTGGGG
GTGGATGCCCTGGGTCTCAACATCTATGAGCAGAATGACAGACTAACTCCCAAGATAGGCTTCCCCTGGAGTGAA
ATCAGGAACATCTCTTTCAATGATAAGAAATTTGTTCATCAAGCCCATTGACAAAAAGCCCCGGACTTCGTCTTC
TATGCTCCCCGGCTGCGGATTAACAAGCGGATCTTGGCCTTGTGCATGGGGAACCATGAAGTATACATGCGCCGT
CGCAAGCCTGATACCATTGAGGTGCAGCAGATGAAGGCACAGGCCCGGGAGGAGAAGCACCAGAAGCAGATGGAG
CGTGCTATGCTGGAAAATGAGAAGAAGAAGCGTGAAATGGCAGAGAAGGAGAAGAGATTGAACGGGAGAAG
GAGGAGCTGATGGAGAGGCTGAAGCAGATCGAGGAACAGACTAAGAAGGCTCAGCAAGAAGTGAAGAACAGACC
CGTAGGGCTCTGGAAGTTGAGCAGGAACGGAAGCGTGCCAGAGCGAGGCTGAAAAGCTGGCCAAGGAGCGTCAA
GAAGCTGAAGAGGCCAAGGAGGCCTTGTGTCAGGCCTCCCGGGACCAGAAAAAGACTCAGGAACAGCTGGCCTTG
GAAATGGCAGAGCTGACAGCTCGAATCTCCAGCTGGAGATGGCCCCGACAGAAGAAGGAGAGTGGGCTGTGGAG
TGGCAGCAGAAGGCCAGATGGTACAGGAAGACTTGGAGAAGACCCGTGCTGAGCTGAAGACTGCCATGAGTACA
CCTCATGTGGCAGAGCCTGCTGAGAATGAGCAGGATGAGCAGGATGAGAATGGGGCAGAGGCTAGTGTGACCTA
CGGGCTGATGCTATGGCCAAGGACCGCAGTGAGGAGGAACGTACCCTGAGGCAGAGAAGAATGAGCGTGTGCAG
AAGCACCTGAAGGCCCTCACTTCGGAGCTGGCCAATGCCAGAGATGAGTCCAAGAAGACTGCCAATGACATGATC
CATGCTGAGAACATGCGACTGGGCCGAGACAAATACAAGACCCTGCGCCAGATCCGGCAGGGCAACACCAAGCAG
CGCATTGACGAATTTGAGTCTATGTAATGGGCACCCAGCCTCTAGGGACCCCTCCTCCCTTTTTCTTGTCCCCA
CACTCCTACACCTAACTCACCTAACTATACTGTGCTGGAGCCACTAACTAGAGCAGCCCTGGAGTCATGCCAAG
CATTTAATGTAGCCATGGGACCAAACCTAGCCCTTAGCCCCACCCACTTCCCTGGGCAAATGAATGGCTCACT
ATGGTGCCAATGGAACCTCCTTTCTTCTCTGTTCCATTGAATCTGTATGGCTAGAATATCCTACTTCTCCAGC
CTAGAGGTACTTTCCACTTGATTTTGCAATGCCCTTACACTTACTGTTGTCTATGGGAGTCAAGTGTGGAGTA
GGTTGGAAGCTAGCTCCCCCTCCTCTCCCTACCCTGTCTTCTTCAGGGTCTGAGATTTACACGGTTGGAGTGT
TATGCGGTCTAGGGAATGAGACAGGACCTAGGATATCTTCTCCAGGATGTCAACTGACCTAAAATTTGCCCTCCC
ATCCCGTTTATAGATTATTTAGGCTTTGTAAAGATTGGGGGATAAAAAGATGTTTCAAGTCAATTTTGTCTTACCTC
CCAGATCGGATCTGTTGCAAACTCAGCCTCAATAAGCCTTGTGCTTGAAGTTAGGGACTCAATTTCTCCCCAGGG
TGGATGGGGGAAAATGGTGCCCTTCAAGACCTTACCAAACATACTAGAAGGGCATTGGCCATTCTATTGTGGCAAG
GCTGAGTAGAAGATCCTACCCCAATTCTTGTAGGAGTATAGGCCGGTCTAAAGTGAGCTCTATGGGCAGATCTA
CCCCTTACTTATTATCCAGATCTGCAGTCACTTCGTGGGATCTGCCCCCTCCCTGCTTCAATACCCAAATCCTCT
CCAGCTATAACAGTAGGGATGAGTACCCAAAAGCTCAGCCAGCCCCATCAGGACTCTTGTGAAAAGAGAGGATAT
GTTACACCTAGCGTCAGTATTTCCCTGCTAGGGGTTTTAGGTCTCTTCCCCCTCTCAGAGCTACTTGGGCCATA
GCTCCTGCTCCACAGCCATCCAGCCTTGGCATCTAGAGCTTGATGCCAGTAGGCTCAACTAGGGAGTGAAGTGA
AAAAGCTGAGTATGGTGAGAGAAGCCTGTGCCCTGATCCAAGTTTACTCAACCTCTCAGGTGACCAAAATCCCC
TTCTCATCACTCCCCCTCAAAGAGGTGACTGGGGCCTGCCTCTGTTTGACAAACCTCTAACCCAGGTCTTGACAC
CAGCTGTTCTGTCCCTTGGAGCTGTAAACCAGAGAGCTGCTGGGGATTCTGGCCTAGTCCCTTCCACACCCCCAC
CCCTTGCTCTCAACCCAGGAGCATCCACCTCCTTCTGTCTCATGTGTGCTCTTCTTCTTCTACAGTATTATG
TACTCTACTGATATCTAAATATTGATTCTGCCTTCCCTTGCTAATGCACCATTAGAAGATATTAGTCTTGGGGCA
GGATGATTTTGGCCTCATTACTTTACCACCCCCACACCTGGAAAGCATATACTATATTACAAAATGACATTTTGC
CAAAATTATTAATATAAGAAGCTTTTCAGTATTAGTGATGTCTGTCACTATAGGTCATACAATCCATTCTTAA
AGTACTTGTTATTTGTTTTTATTATTACTGTTTGTCTTCTCCCCAGGGTTCAGTCTCAAGGGGCCATCCTGTCC
CACCATGCAGTGCCCCCTAGCTTAGAGCCTCCCTCAATCCCCCTGGCCACCACCCCCCACTCTGTGCCTGACCTT

6722/6881
FIGURE 6207B

GAGGAGTCTTGTGTGCATTGCTGTGAATTAGCTCACTTGGTGATATGTCCTATATTGGCTAAATTGAAACCTGGA
ATTGTGGGGCAATCTATTAATAGCTGCCTTAAAGTCAGTAACTTACCCTTAGGGAGGCTGGGGGAAAAGGTTAGA
TTTTGTATTCAGGGGTTTTTTGTGTACTTTTTGGGTTTTTTAAAAATTGTTTTTGGAGGGGTTTATGCTCAATCC
ATGTTCTATTTTCAGTGCCAATAAAATTTAGGAAGACTTC

6723/6881
FIGURE 6208

MPKTISVRVTMTDAELEFAIQPNTTGKQLFDQVVKTIGLREVWFFGLQYQDTKGFSTWLKLNKKVTAQDVRKESP
LLFKFRAKFYPEDVSEELIQDITQRLFFLQVKEGILNDDIYCPPETAVLLASYAVQSKYGDFNKEVHKSGYLAGD
KLLPQRVLEQHKLNDQWEERIQVWHEEHARGMLREDAVLEYLKIAQDLEMYGVNYFSIKNKKGSELWLGVDALGL
NIYEQNDRLTPKIGFPWSEIRNISFNDKKFVIKPIDKKAPDFVFYAPRLRINKRILALCMGNHELYMRRRKPDIT
EVQQMKAQAREEKHQKQMERAMLENEKKKREMAEKEKEKIEREKEELMERLKQIEEQTKKAQQELEEQTRALEL
EQERKRAQSEAEKLAKERQEAEAKEALLQASRDQKKTQEQLALEMAELTARISQLEMARQKKESEAVEWQOKAQ
MVQEDLEKTRAELKTAMSTPHVAEPAENEQDEQDENGAEASADLRADAMAKDRSEEERTTEAEKNERVQKHLKAL
TSELANARDESKKTANDMIHAENMRLGRDKYKTLRQIRQGNTKQRIDEFESM

6724/6881
FIGURE 6209

TAGAAGATCCTACCCCAATTCCTTG TAGGAGTATAGGCCGGTCTAAAGTGAGCTCTATGGGCAGATCTACCCCTT
ACTTATTATTCCAGATCTGCAGTCACTTCGTGGGATCTGCCCCCTCCCTGCTTCAATACCCAAATCCTCTCCAGCT
ATAACAGTAGGGATGAGTACCCAAAAGCTCAGCCAGCCCCATCAGGACTCTTGTGAAAAGAGAGGATATGTTTAC
ACCTAGCGTCAGTATTTTCCCTGCTAGGGGTTTTAGGTCTCTTCCCCCTCTCAGAGCTACTTGGGCCATAGCTCCT
GCTCCACAGCCATCCCAGCCTTGGCATCTAGAGCTTGATGCCAGTAGGCTCAACTAGGGAGTGAGTGCAAAAAGC
TGAGTATGGTGAGAGAAGCCTGTGCCCTGATCCAAGTTTACTCAACCCTCTCAGGTGACCAAAATCCCCTTCTCA
TCACTCCCCCTCCAAAGAGGTGACTGGGCCCTGCCTCTGTTTGACAAACCTCTAACCAGGTCTTGACACCAGCTG
TTCTGTCCCTTGGAGCTGTAAACCAGAGAGCTGCTGGGGATTCTGGCCTAGTCCCTTCCACACCCCCACCCCTTG
CTCTCAACCCAGGAGCATCCACCTCCTTCTCTGTCTCATGTGTGCTCTTCTTCTTTCAGTATTAGTGATGTCAT

6725/6881
FIGURE 6210

GTGCGGAGCGGCGCGGCACAGAGCCTGTTGTTGAGCTCAGTATGTCGTGGGAATCCGGGGCCGGGCCAGGTCTAG
GTTCCCAGGGGATGGATCTCGTGTGGAGTGCGTGGTACGGAAAGTGC GTTAAAGGGAAAGGGTCGTTGCCACTCT
CGGCCCACGGCATCGTGGTCGCCTGGCTCAGCAGGGCCGAGTGGGACCAGGTGACGGTTTATCTGTTCTGTGACG
ACCATAAGTTGCAGCGGTACGCGCTTAACCGCATCACGGTGTGGAGGAGCAGGTGACGGCAACGAACCTCCCTCTGG
CAGTGGCTTCTACTGCTGACCTGATACGCTGTAAGCTCTTGGATGTAAGTGGTGGCTTGGGCACTGATGAACTTA
GACTGCTCTATGGCATGGCATTGGTCAGGTTTGTGAATCTTATCTCAGAGAGGAAGACAAAGTTTGCCAAGGTCC
CCCTCAAGTGTCTGGCTCAAGAGGTAAATATTCCGGATTGGATTGTTGACCTTCGCCATGAGTTGACCCACAAGA
AAATGCCCCATATAAATGACTGCCGCAGAGGCTGCTACTTTGTCTGGATTGGCTCCAGAAGACCTATTGGTGCC
GCCAACTGGAGAACAGCCTGAGAGAGACCTGGGAGTTGGAGGAGTTCAGGGAAGGGATAGAGGAAGAGGATCAAG
AGGAAGATAAGAACATTGTTGTTGATGACATCACAGAACAGAAACCAGAGCCTCAGGATGATGGGAAAAGTACGG
AGTCAGATGTAAAGGCCGATGGAGACAGCAAAGGCAGCGAAGAGGTGGATTCTCATTGCAAAAAGGCCCTGAGTC
ATAAAGAGCTATATGAAAGAGCCCGAGAACTGCTGGTATCATACGAAGAGGAGCAGTTTACGGTGCTGGAGAAAT
TTAGGTATTTACCTAAGGCCATTAAAGCGTGGAATAACCCGTCCCCACGTGTAGAATGTGTCTTGGCAGAGCTCA
AGGGCGTTACATGCGAGAACAGGGAGGCTGTGCTGGATGCTTTTCTGGATGATGGCTTCCTTGTCCCCACATTTG
AACAGTTGGCAGCTTTGAGATAGAATATGAAGATGGTCAGACTGAGGTCCAGAGAGGGGAAGGTACTGACCCAA
AGTCACACAAAAACGTGGACTTGAATGACGTCCTGGTGCCAAAGCCGTTCTCTCAGTTCTGGCAGCCCCCTGCTCA
GGGGCCTGCACTCCCAGAACTTCACGCAGGCCCTATTGGAGAGGATGCTCTCTGAACTGCCAGCCTTGGGGATCA
GCGGGATCCGGCCTACCTACATCCTCAGATGGACCGTTGAACTGATCGTGGCCAACACCAAGACTGGACGGAATG
CTCGCCGATTTTCTGCAGGCCAGTGGGAAGCAAGAAGGGGCTGGAGGCTGTTCAACTGCTCCGCCTCCCTTGACT
GGCCCCGGATGGTTGAGTCCTGCTTGGGCTCACCTTGCTGGGCCAGCCCCCAACTCCTTCGGATCATCTTCAAAG
CCATGGGGCAGGGCCTGCCAGACGAGGAGCAGGAGAAGCTGCTGCGCATCTGTTCCATTTATACCCAGAGTGGAG
AAAACAGCCTGGTGCAGGAGGGCTCTGAGGCCTCCCCCATTGGGAAGTCTCCATATACACTAGACAGCCTGTATT
GGAGCGTCAAGCCAGCCAGCTCCAGCTTCGGGTCTGAAGCAAAGGCCAGCAACAGGAGGAGCAGGGCAGTGTTA
ATGATGTCAAGGAAGAGGAGAAGGAGGAGAAAGAGGTCTTGCCAGACCAGGTAGAGGAGGAGGAAGAAAATGATG
ACCAAGAGGAGGAAGAGGAGGATGAAGATGATGAAGATGATGAAGAGGAAGACAGAATGGAGGTGGGGCCTTTCT
CTACAGGGCAAGAGTCCCCCACTGCCGAGAATGCTAGGCTTCTGGCCCAGAAAAGAGGAGCTTTGCAGGGCTCTG
CATGGCAGGTTAGCTCAGAAGACGTGCGATGGGACACATTTCCCCTAGGCCGAATGCCAGGTGACACCGAGGACC
CAGCAGAGCTCATGCTGGAGAATTATGACACCATGTATCTTTTGGACCAGCCTGTGCTAGAGCAGCGGCTGGAAC
CCTCAACATGCAAGACTGACACCTTGGGCCTGAGCTGTGGTGTGCGCAGTGGCAACTGCAGCAACAGCAGCAGCA
GCAACTTCGAGGGCCTTCTCTGGAGCCAGGGGCAGCTGCATGGGCTCAAACTGGCCTGCAGCTCTTCTGATGGC
CATCCCTGGTGCAAGTGTTTCATCCAGCCGTGCCAGGGCAACAGCCCCACCCCTAGTACAACTGATGCTCCCTGAG
ACAACCTGGGAGACAGCCTGGATCAGCCACATCAACTCAGTTGTCCACCACAGGGGAATTTTGAATGTCTTTTGT
TTTTGTTTTGTTTTGAAAAATAATAACAGGCAACTGT

6726/6881
FIGURE 6211

MSWESGAGPGLGSQGM DLVWSAWYGKCVKGKGS LPLSAHGIVVAWLSRAEWDQVTVYLFCD DHKLQRYALNRITV
WRSRSGNELPLAVASTADLIRCKLLDVTGGLGTDELRLLYGMALVRFVNLISERKTKFAKVPLKCLAEVNI PDW
IVDLRHETHKKMPHINDCRRGCYFVLDWLQKTYWCRQLENSLRETWELEEFREGIEEEDQEEDKNIVVDDITEQ
KPEPQDDGKSTESDVKADGDSKGSEEVDSHCKKALSHKELYERARELLVS YEEEEQFTVLEKFRYLPKAIKAWNNP
SPRVECVLAELKGVTCENREAVLDAFLDDGFLVPTFEQLAALQIEYEDGQTEVQRGEGTDPKSHKNVDLNDVLP
KPFSQFWQPLLRLGLHSQNFTQALLERMLSELPALGISGIRPTYILRWTVELIVANTKTGRNARRFSAGQWEARRG
WRLFNCASLDWPRMVESCLGSPCWASPQLLRIIFKAMGQGLPDEEQEKLLRICSIYTQSGENSLVQEGSEASPI
GKSPYTLDSLYWSVKPASSSFGSEAKAQQQEEQGSVNDVKEEKEEKEVLPDQVEEEEENDDQEEEEDEDED
EEEDRMEVGPFSTGQESPTAENARLLAQKRGALQGS AWQVSSDVWRWDTFPLGRMPGQTEDPAELMLENYDTMYL
LDQPVLEQRLEPSTCKTDTLGLSCGVGSGNCSNSSSSNFEGLLWSQGQLHGLKTGLQLF

6727/6881
FIGURE 6212

ATGAACAGCCCGGACCTCCGTCGTCCCGCGGCGACCAAAATCTCCGCTGGCCGCACCGCTGTGACTACTCCGGAC
TCGCCGGCAGAGTTTGGCCGCCGGGGAGGGTGGCCGATTGGCGGAGCGCACTCCTGCTGTTTCTCCCACCATCTC
GTGGATGTCGTCCCTCGGGTGGTGAGAGAACTTTGCAGTGGGCTGGAGCGCCCTTTGCGGAGAAGCACACGAAGT
TGGAAATTGACCGGAGAATTGAGTTGCCGGGGAACAGAGCCCCGGCCGCCAGCGCGATGTTCCCGCAGAGCC
GGCACCCGACGCCGCACCAGGCTGCAGGCCAGCCCTTCAAGTTCAGTATCGCGGAGTCCCTGGACCGGATTAAAG
AGGAATTCCAGTTCCTGCAGGCGCAGTATCACAGCCTTAAATTGGAATGAACATCAACAACAGGTGGCCAGGCT
GTCGAACGTGCCAAACAGGTGACCATGGCAGAGTTGAATGCCATCATCGGGCAGCAGCAGTTGCAAGCTCAGCAT
CTTTCTTATGGCCACGGACCCCCAGTTCCCCTTACGCCTCACCCCTCGGGACTTCAGCCTCCTGGAATCCCGCCC
CTCGGGGGCAGTGCCGGTCTTCTTGCACTGTCTAGTGCTCTGAGTGGGCAATCTCACTTGGCAATAAAAGATGAC
AAGAAGCATCAAGATGCAGAGCACCACAGAGATGAGAGGCCCGGCAAGCCAGATTAG

6728/6881
FIGURE 6213

MNSPDLRRPAATKISAGRTAVTTPDSPAEFARRGGWPIGGAHSCCFSHHLVDVVPRVVRELCGLERPLRRSTRS
WKLITGELSCRGT EPRPPPARCSRRAGTRRRTRLQASPSSSVSRSPWTGLKRNSSSCRRSITALNWNEHQQVAQA
VERAKQVTMAELNAIIGQQQLQAQHLSYGHGPPVPLTPHP SGLQPPGIPPLGGSAGLLALSSALSGQSHLAIKDD
KKHQDAEHHRDERPGKPD

6729/6881
FIGURE 6214A

CTGATCTCGGGGATTTCGGGTGCGGAGCCCTTGGCCTGGAGGCGATATGGGTGGTCCGTGGCCCCGGTTCAGTCGCT
TGCAGCAGCCCCGGGGAACAGGCCTGTCTGGCCCTGAGGGAGTCCCTTTCTGAAGCTGTGGTGCTTGGACGACCT
GCTCTCTACATTGCTGGGCACCTGTAGGTGTCCCTCGAGAGCTCAGTTTTGAGGTTCAAGTCAGTGTGGCCATGA
AGGGGCTGCCTATTGGGCTGATGCTGTGACCCTGGAGTCTGCCTCTCCTGCCAGTCCCCCTGCCCGGAACATGTG
GCTGCGGCTTGGCCCCCCTCGCTGTCCCTGAGCCCCAAGCCACGGTTGGCAGGAGCCTGTGCCTCACCCTGTG
GTTCTCAGTTTGGCGCTGAGGGCCAGTACCCAGGCCCCAGCACCCACAGTCAACACTCACTTTGGGAAGCTAAG
GGGTGCCCGAGTACCACTGCCAGTGAGATCCTGGGGCCTGTGGACCAATACCTGGGGGTGCCCTACGCAGCTCC
CCCGATCGGCGAGAAACGTTTCCTGCCCCCTGAACCACCCCCATCCTGGTCGGGCATCCGGAACGCCACACACTT
TCCCCCAGTGTGCCCCAGAATCCACACAGCTGTGCCCGAAGTCATGCTGCCGGTCTGGTTCAGTGCCAACCTT
GGATATCGTCGCTACTTACATCCAGGAGCCCAACGAAGACTGTCTCTACCTGAACGTCTATGTGCCGACGGAGGA
TGGATCCGGCGCTAAGAAACAGGGCGAGGACTTAGCGGATAATGACGGGGATGAAGATGAAGACATCCGGGACAG
TGGTGCTAAACCCGTCATGGTCTACATCCACGGAGGCTCTTACATGGAAGGGACAGGCAACATGATTGATGGCAG
CATCCCCGCCAGTTATGGCAATGTCTAGTTCATCACCCTCAACTATCGGGTTGGAGTGCTAGGTTTCCTGAGTAC
TGGAGATCAGGCTGCCAAGGGCAACTATGGGCTCCTTGACCAGATCCAGGCCCTCCGCTGGGTGAGCGAGAATAT
TGCCTTCTTCGGGGGAGACCCCCGCGGATCACTGTCTTTGGCTCGGGCATTGGTGATCCTGCGTCAGCCTCCT
CACGTTGTACATCACTCAGAGGGACTTTTCCAGAGAGCCATCATCCAAAGTGGCTCTGCTCTGTCCAGCTGGGC
TGTGAACCTACCAACCAGTGAAGTACACCAGCCTGCTGGCAGACAAAGTGGGCTGTAATGTGCTGGACACCGTGGA
TATGGTGGACTGTCTTCGGCAAAGAGTGCCAAGGAGCTGGTAGAGCAGGACATCCAGCCAGCCCGCTACCAGCT
GGCCTTTGGCCCTGTGATTGATGGTGATGTCTTCTGATGACCCTGAGATCCTCATGGAGCAGGGCGAGTTCTCT
CAACTATGACATCATGCTAGGTGTCAACCAGGGCGAGGGTCTCAAGTTTGTGGAAGGGGTGGTGACCCTGAGGA
TGGTGTCTCTGGCACTGACTTTGACTATTCCGTCTCCAATTTTGTGGACAATCTGTATGGCTATCCTGAGGGTAA
GGACACCCTGCGAGAGACCATCAAGTTTCATGTATACAGACTGGGCAGACCCTGACAACCCTGAGACCCGCCGTAA
AACACTGGTGGCACTCTTCACTGACCACCAGTGGGTGGAGCCCTCAGTGGTGACAGCCGATCTGCATGCCCGCTA
CGGCTCGCCTACCTACTTCTACGCCTTCTATCATCACTGCCAGAGCCTCATGAAGCCTGCTTGGTCAGATGCAGC
TCATGGGGATGAAGTACCCTATGTTTTTGGGGTTCCTATGGTAGGCCCCACTGACCTTTTCCCTGCAACTTCTC
CAAGAATGATGTTATGCTCAGTGCTGTGCTCATGACCTATTGGACCAACTTTGCCAAGACTGGGGATCCCAACAA
GCCGGTCCCCCAGGACACCAAGTTTCATTACACCAAGGCCAACCGCTTTGAGGAAGTGGCCTGGTCCAAATACAA
TCCCCGAGACCAGCTCTACCTTCACATCGGGCTGAAACCAAGGGTCCGAGATCATTACCGGGCCACTAAGGTGGC
CTTTTGGAAACATCTGGTGCCCCACCTATACAACCTGCATGACATGTTCCACTATACGTCCACCACCACCAAGT
GCCGCTCCGGATACCAACCACAGCTCCACATCACCCGAGGCCAATGGCAAGACCTGGAGCACCAAGCGGCC
AGCCATCTACCTGCCTACAGCAACGAGAATGCCAGGGTCTTGAACGGGGACCAGGATGCAGGGGCCACTCCT
GGTGGAGAACCCTCGTGACTACTCCACTGAATTAAGTGTACCATCGCCGTGGGGGCTCCCTCCTGTTCCCTTAA
CGTTCTGGCCTTCGCTGCCCTCTACTACCGTAAGGACAAACGGCGCCAGGAGCCCCCTGCGGCAGCCTAGCCCTCA
GCGGGGAGCCGGGGCCCCGGAGTTGGGAGCTGCTCCAGAGGAGGAGCTGGCAGCATTACAACCTGGGCCCCACCCA
CCACGAGTGTGAGGCCGGTCCCCCCCCATGACACGCTGCGCCTCACTGCATTGCCCGACTACACCCTGACCCTGCG
GCGCTCCCCGGATGACATCCCACTCATGACCCCAACACCATCACTATGATCCCCAACTCCCTGGTAGGGCTGCA
GACATTGCACCCCTATAACACCTTTGCCGAGGGTTCAACAGTACCGGGCTGCCCCACTCACACTCCACTACCCG
GGTATAGCTCCAACCTCAGAGCACAGCCAATCTCCAGGCTCCCTCCCTCCAGATCCAGGAACACATGCACACACA
CACACACACACGCAGACACACACACACACATATGTATACGCACGCACCCACACCCCTACAGCAGATCC
ACCTGCACAAACATAGACAGATGTGGACATGCACCCGCTGTACAAAAACACAAATACGGAAGTAAACCTGAACA
AACCCTTTAAATGGGGACGCAGATGAGTCTCGGTAAACCGAGGACCCATGAAACAGCAGCTGAAGCCAGCTCCC
TGAATCTGACCACAGACACTCCTGGGGGGCTGAAAGCAACAGCTGGACACCCCTTGGTGCTCGCCTTCGGCCT
CTCTTGAACCTGCACCACCGACCAACTCCAGACTTGGGAGCTTTAAAGAGCAGGATAGCTCTTCTCCTCCCCAGGAC
TTGGTCTTTTTTCTGGGTCTTGTGTTGATTTTTCTTTTTTAATTTTGAACAAATGCTTTTTCCAACCCATGA
GTGCTAAGAGCCTCTGGAAGGGAGGGCTTCAGGCCCCAAGGTCTCTCTGGCTCTAGGACCCCCAGTGCTCACACA
ATCAGACCAAGGAACAAGACCCCCAGGAAGGAAAACAGATTTAAGCAAGACCATGGGGTGAAGGAGAAAGGGCT
AGCACTGGATGGAGCTGGAGGGTCGTAGGGGAGAGATCTCAACTCTCTCTGTGTCCGTGTGGAGGGCTGCAGAG
CCTGCAGGGTGACCTGCTTCCCCAAAGGCCAACAGCATTGGCCTGGCCAGACCAGGTGACCTTAGATTTGGTGAA

6730/6881

FIGURE 6214B

CAACGTACTATGGAAGCCACATCACTATTGGGCCCCCAGGTCTGATCTGGGTTTTGCCTCTGCCCTTGGGGAAAT
GCTATCAGAAATTCGCCCCATTTTCTTTACAGTCTTTTGTGTCTGTCATTTCCTTTCAAAAAGGCGGTGTTTTT
TGTTGTTGTTGGTTTTTTTTTTTTTTTTTAAAGAAAAGTTCTTAAACACTAACGAAAAAAAAAAAA

6731/6881
FIGURE 6215

MWLR LGPPSLSLSPKPTVGRSLCLTLWFLSLALRASTQAPAPT VNTHFGKLRGARVPLPSEILGPVDQYLGVPYA
APPIGEKRFLPPEPPPSWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANLDIVATYIQEPNEDCLYLN VYVPT
EDGSGAKKQGEDLADNDGDEDEDIRDSGAKPVMVYIHGGSYMEGTGNMIDGSIPASYGNVIVITLNYRVGVLGFL
STGDQAAKGNYGLLDQIQALRWVSENI AFFGGDPRRITVFGSGIGASCVSLLTSLSHHSEGLFQRAIIQSGSALSS
WAVNYQPVKYTSLLADKVGCNVLDTVDMVDCLRQKSAKELVEQDIQPARYHVAFGPVIDGDVIPDDPEILMEQGE
FLNYDIMLGVNQGEGLKFVEGVVDPEDGVSGTDFDYSVSNFVDNLYGYPEGKDTLRETIKFM YTDWADRDNPETR
RKT LVALFTDHQWVEPSVVTADLHARYGSPTYFYAFYHHCQSLMKPAWSDAAHGDEV P YVFGVPMVGPTDLFPCN
FSKNDVMLS AVVM TYWTNFAKTGDPNKPVPQDTKFIHTKANRFEEVAWSKYNPRDQLYLHIGLKPRVRDHYRATK
VAFWKHLVPHLYNLHDMFHYTSTTTKVPPDTHSSHITRRPNGKTWSTKRPAISPAYS NENAQGSWNGDQDAGP
LLVENPRDYSTE LSVTI AVGASLLFLNVLAFAALYRKDKRRQEPLRQPS PQRGAGAP ELGAAP EEE LAALQLGP
THHECEAGPPHDTLRLTALPDYTLTLRRSPDDIPLMTPNTITMIPNSLVGLQTLHPYNTFAAGFNSTGLPHSHST
TRV

6732/6881
FIGURE 6216

CTCTGGGAAAGGGCAGCAGCAGCCAGGTGTGGCAGTGACAGGGAGGTGTGAATGAGGCAGGATGAACTGGACAGG
TTTGTACACCTTGCTCAGTGGCGTGAACCGGCATTCTACTGCCATTGGCCGAGTATGGCTCTCGGTCACTTTCAT
CTTCAGAATCATGGTGCTGGTGGTGGCTGCAGAGAGTGTGTGGGGTGATGAGAAATCTTCCTTCATCTGCAACAC
ACTCCAGCCTGGCTGCAACAGCGTTTGCTATGACCAATTCTTCCCCATCTCCCATGTGCGGCTGTGGTCCCTGCA
GCTCATCCTAGTTTCCACCCCAGCTCTCCTCGTGGCCATGCACGTGGCTCACCAGCAACACATAGAGAAGAAAAT
GCTACGGCTTGAGGGCCATGGGGACCCCCTACACCTGGAGGAGGTGAAGAGGCACAAGGTCCACATCTCAGGGAC
ACTGTGGTGGACCTATGTTCATCAGCGTGGTGTTCGGCTGTTGTTTGGAGCCGTCTTCATGTATGTCTTTTATCT
GCTCTACCTTGCTATGCCATGGTGC GGCTGGTCAAGTGCGACGTCTACCCCTGCCCAACACAGTGGACTGCTT
CGTGTCCCGCCCCACCGAGAAAACCGTCTTCACCGTCTTCATGCTAGCTGCCTCTGGCATCTGCATCATCCTCAA
TGTGGCCGAGGTGGTGTACCTCATCATCCGGGCCTGTGCCCGCCGAGCCCAGCGCCGCTCCAATCCACCTTCCCG
CAAGGGCTCGGGCTTCGGCCACCGCCTCTCACCTGAATACAAGCAGAATGAGATCAACAAGCTGCTGAGTGAGCA
GGATGGCTCCCTGAAAGACATACTGCGCCGCGAGCCCTGGCACCGGGCTGGGCTGGCTGAAAAGAGCGACCGCTG
CTCGGCCTGCTTGATGCCACATAACCAGGCAACCTCCCATCCCACCCCGACCCTGCCCTGGGCGAGCCCCCTCCTTC
TCCCCTGCCGGTGCACAGGCCTCTGCCTGCTGGGGATTACTCGATCAAAACCTTCCTTCCCTGGCTACTTCCCTT
CCTCCCGGGGCCTTCCTTTTGAGGAGCTGGAGGGGTGGGGAGCTAGAGGCCACCTATGCCAGTGCTCAAGGTTAC
TGGGAGTGTGGGCTGCCCTTGTTCCTGCCTGCACCTTCCCTCTTCCCTCTCCTCTCTGGGACCACTGGGTACAA
GAGATGGGATGCTCCGACAGCGTCTCCAATTATGAACTAATCTTAACCCTGTGCTGTCAGATACCCTGTTTCTG
GAGTCACATCAGTGAGGAGGGATGTGGGTAAGAGGAGCAGAGGGCAGGGGTGCTGTGGACATGTGGGTGGAGAAG
GGAGGGTGGCCAGCACTAGTAAAGGAGGAATAGTGCTTGCTGGCCACAAGGAAAAGGAGGAGGTGTCTGGGGTGA
GGGAGTTAGGGAGAGAGAAGCAGGCAGATAAGTTGGAGCAGGGGTGGTCAAGGCCACCTCTGCCTCTAGTCCCC
AAGGCCTCTCTCTGCCTGAAATGTTACACATTAAACAGGATTTTACAGT

6733/6881

FIGURE 6217

MNWTGLYTLLSGVNRHSTAIGRVWLSVIFIFRIMVLVVAESVWGDEKSSFICNTLQPGCNSVCYDQFFPI SHVR
LWSLQLIILVSTPALLVAMHVAHQHIEKKMLRLEGHGDP LHLEEVKRHKVHISGTLWWTYVISVVFRLLEAVFM
YVFYLLYPGYAMVRLVKCDVYPCPNTVDCFVSRPTEKTVFTVFMLAASGICII LNVAEVVYLIIRACARRAQRRS
NPPSRKGS GF GHRLSPEYKQNEINKLLSEQDGS LKDILRRSPGTGAGLAEKSDRCSAC

6734/6881
FIGURE 6218

GTGTGAATGAGGCAGGATGAACTGGACAGGTTTGTACACCTTGCTCAGTGGCGTGAACCGGCATTCTACTGCCAT
TGGCCGAGTATGGCTCTCGGTCATCTTCATCTTCAGAATCATGGTGCTGGTGGTGGCTGCAGAGAGTGTGTGGGG
TGATGAGAAATCTTCCTTCATCTGCAACACACTCCAGCCTGGCTGCAACAGCGTTTGCTATGACCAATTCTTCCC
CATCTCCCATGTGCGGCTGTGGTCCCTGCAGCTCATCCTAGTTTCCACCCCAGCTCTCCTCGTGGCCATGCACGT
GGCTCACCAGCAACACATAGAGAAGAAAATGCCAAGGCCTCTCTCTGCCTTGAAATGTTACACATTAAACAGGATT
TTACAGTAAATGAAGAGGTGGCTTGTGTGTTTGTCAAGTTCTTTCTCCTGCAACCTCTGACCTCCCCCAGGATGA
GCTGGCCTTGTTTTTTTTACTGATTAAGAAAGGAACAGGGCAAAAGAAGTAGTTACTTGAGTAGCTGAAGCTGCAA
ATGAGGAAATCACTGTACTTCTGGGCCGCAGAGCCAGCCCCGGAGCCATTCTCCCTGTTGCTTTTGTGTTGTG
GTTCTTGTCTTTTTTATTGTCTAATAACAGCTTTATTGGGATTTAGTTTACATACCTCCTTCCTCTGATTTTGAA
AAGATTAAAAATGACAACTCCCTCTG

6735/6881
FIGURE 6219

MNWTGLYTLLSGVNRHSTAIGRVWLSVIFIFRIMVLVAAESVWGDEKSSFICNTLQPGCNSVCYDQFFPISHVR
LWSLQLILVSTPALLVAMHVAHQHIEKKMPRPLSA

6736/6881
FIGURE 6220

TAATTCTAAATGGTGGTAGGAGGAGAACAGGCATTGCTTTACAGCCCCCTGGGGGCCTACCTCAGTTTGCTATAG
ATAGCAGTCTTTTTTTTTTTGGAGACAGAGTTTCCCTCTTGTTGCCCAGGCTAGAGTGCAATGGCATGGTCTTGG
CTCACTGCAACCTCCACCTCCCGGGTTCAAGCGAGTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGTG
CTTGCCACCATGCCCCGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTACACCATGTTGGCCAGGCTGGTCTCG
AACTCCTGACCTCAGGTGATCCACCAGCCTCGGCCTCCCAATTTTGATTTTTATTAGAGACTGAGTTTGACCAC
GTTGGTCAGGCTGTTCTTGAACCTCCTGACCTCAGATAATCTGCCCCGCTCGGTTTCCCAAAGTGCTGGGATTACT
GGCGTGAGCCACCAAGCCCGGCCAGATAGCAATCTTTAGGACTGCTGGTATCCATTAAATGTAACCTCAAGGTC
TTTATTTTTGAATCTTGAGCAAACCTCAGTCTCTATACTTAATCTAGGAGTTAAGTAAATGCCACCGTCTGACTGG
CCAGTCTGATTGACTATGTTTGTGGAGGGAAGTCAATGAAGGCTAGGCATTATCACATAAAATAGTTGTGAATC
CAAATACTTCATGGCTCATGCAATCCTGGGGTTGTTTTGGTTATGGTGTAAATGCCAAAACCTGGATAGTTTGG
TTGTTTCTGTTTTTGTCTTTTTCTTTTTCTTTTTCTTTTTGAGACAGAGTTTTGCTCTTGTCGCCCAGGCTGGAG
TGCAGTGGTGCAATCTGGCTCCCTGCAACCTCCGCCTCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGA
GTAGCTGGGATTACAGGCATGCGCCACCCTTTTTGGGGTTATCCACTAGAGTTCTAAACAGACTTAGTCACCCAC
TCCTACCTACCATCAGGAGCCTTGAATAGTTGAATGGAAATAGCCTCCAGTGGAGGGACTACAGATGGGTGGGAA
GCTTCCAACAATGGCTCTGTTACAGTGTGCTCTCTTTTTCTCTTTAAGACCCCAACAACCTGAACGCTTTGG
TCAGGCTGCTACAATGGAAGGAATTGGGGCAATTGGTGGAACCTCCTCCTGCATTCAACCGTGCAGCTCCTGGAGC
TGAATTTGCCCCAAACAAACGTCGCCGATACTAATAAGTTGCAGTGCTAGTTTCTCAAAACCCTTAAAAGAAGG
ACCCTTTTTGGACTAGCCAGAATTCACCTGGAAAAGTGTTAGGGATTCCCTTCCAATAGTTAGATCTACCCTGC
CTGTACTACTCTAGGGAGTATGCTGGAGGCAGAGGGCAAGGGAGGGGTGGTATTAAACAAGTCAATTCTGTGTGG
TATATTGTTTAATCAGTTCTGTGTGGTGCATTCTGAAGTCTCTAATGTGACTGTTGAGGGCCTGGGGAAACCAT
GGCAAAGTGGATCCAGTTAGAGCCCATTAATCTTGATCATTCCGGTTTTTTTTTTTTTTTGTCCATCTGTTTCAT
TTGCTTGCCCCGCCCCGAGACGGAGTCTTACTCTGTGCCCCAGGCTGGAGTGTAGTGGCATGATCTCGGCTCAC
TGCAATCTCTGCCTCCCGGGTTCAAGCTTGTCAGGTTGATCTTGAACCTCCTGACCTCGTGATCTACCCACCTCG
GCCTCCCAAAATGCTGGGATTACAGGGGTGAGCCACCGTGCCCAACCTCACTTGCTTCTTATCCTTACACTCCCC
CAGCCCCAGAGAACTGCCACATACACCACAAAACCAAACATCCCCCAATGACCTTAGCCCCATTGCTCCATT
ACTCCCAGGTGAGAATTCAGGCAAACGTCCACAAAGGTACAGGCAGCGTACATACGGTTCTGTTATACCCATA
TATTACCCCTTCATGTCCTAAAGAAGACATTTTCTCTTAGAGATTTTCATTTTAGTGATCTTTAAAAAAAATC
TTGTGTTAACTTGCTCCATCTTTTTCTTGGGTGAGGACACCCAGGAATGACCCTTTTGTGTCTATGATGTTGCT
GTTACAGCTTTTCTTGATAGGCCTAGTACAATCTTGGGAACAGGGTTACTGTATACTGAAGGTCTGACAGTAGC
TCTTAGACTCGCCTATCTTAGGTAGTCATGCTGTGCATTTTTTTTTTTTTCATTGGTGTACTGTGTTGATTTGTCTC
ATATATTTGGAGTTTTTCTGAAAAATGGAGCAGTAATGCAGCATCAACCTATTAAAATACATTTTAAGCCTTTT

6737/6881
FIGURE 6221

MQSNKTFNLEKQNHTPRKHHQHQQHHQQQQQQPPPPPIPANGQQASSQNEGLTIDLKNFRKPGKFTFTQRSR
LFVGNLPPDITEEEMRKLFEKYGKAGEVFIHKDKGFGFIRLETRTLAEIAKVELDNMPLRGKQLRVRFACHSASL
TVRNLPQYVSNELLEEAHSVFGQVERAVVIVDDRGRPSGKGIVEFSGKPAARKALDRCSEGSFLLTTFFRPVTV
PMDQLDDEEGLPEKLVKNQQFHKEREQPPRFAQPGSFYEYAMRWKALIEMEKQQQDQVDRNIKEAREKLEMEM
EAARHEHQVMLMRQDLMRQEEELRRMEELHNQEVQKRKQLELRQEEERRRREEEMRRQQEEMMRQQEGFKGTFF
DAVYLPCARDVPDQS

6738/6881
FIGURE 6222

GCCAGATCTGGAAGGTGGCTGCGGAACGGTTTTTAAGCGGAAGATGAGGAGCCGGAGGAACCGGCGGACAGTGGG
CAGTCGCTGGTCCCGGTTTATATCTATAGTCCCGAGTATGTCAGTATGTGTGACTCCCTGGCCAAGATCCCCAA
CGGGCCAGTATGGTGCATTCTTTGATTGAAGCATATGCACTGCATAAGCAGATGAGGATAGTTAAGCCTAAAGTG
GCCTCCATGGAGGAGATGGCCACCTTCCACACTGATGCTTATCTGCAGCATCTCCAGAAGGTCAGCCAAGAGGGC
GATGATGATCATCCGGACTCCATAGAATATGGGCTAGGTTATGACTGCCCAGCCACTGAAGGGATATTTGACTAT
GCAGCAGCTATAGGAGGGGGCTACGATCACAGCTGCCAATGCCTGATTGACGGAATGTGCAAAGTAGCAATTAAC
TGGTCTGGAGGGTGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTTTTGTTATCTCAATGATGCTGTCCTGGGA
ATATTACGATTGCGACGGAAATTTGAGCGTATTCTCTACGTGGATTTGGATCTGCACCATGGAGATGGTGTAGAA
GACGCATTCACTTTACCTCCAAAGTCATGACCGTGTCCCTGCACAAATTCTCCCCAGGATTTTTCCAGGAACA
GGTGACGTGTCTGATGTTGGCCTAGGGAAGGGACGGTACTACAGTGTAATGTGCCCATTCAGGATGGCATACAA
GATGAAAAATATTACCAGATCTGTGAAAGTGTACTAAAGGAAGTATACCAAGCCTTTAATCCCAAAGCAGTGGTC
TTACAGCTGGGAGCTGACACAATAGCTGGGGATCCCATGTGCTCCTTTAACATGACTCCAGTGGGAATTGGCAAG
TGTCTTAAGTACATCCTTCAATGGCAGTTGGCAACACTCATTTTTGGGAGGAGGAGGCTATAACCTTGCCAACACG
GCTCGATGCTGGACATACTTGACCGGGGTCATCCTAGGGAAAACACTATCCTCTGAGATCCCAGATCATGAGTTT
TTCACAGCATATGGTCCTGATTATGTGCTGGAAATCACGCCAAGCTGCCGGCCAGACCGCAATGAGCCCCACCGA
ATCCAACAAATCCTCAACTACATCAAAGGGAATCTGAAGCATGTGGTCTAGTTGACAGAAAGAGATCAGGTTTCC
AGAGCTGAGGAGTGGTGCCTATAATGAAGACAGCGTGTTTATGCAAGCAGTTTGTGGAATTTGTGACTGCAGGGA
AAATTTGAAAGAAATTACTTCCTGAAAATTTCCAAGGGGCATCAAGTGGCAGCTGGCTTCCTGGGGTGAAGAGGC
AGGCACCCAGAGTCCTCAACTGGACCTAGGGGAAGAAGGAGATATCCACATTTAAAGTTCTTATTTAAAAAAA
CACACACACACAAATGAAATTTTTAATCTTTGAAATTATTTTTAAGCGAATTGGGGAGGGGAGTATTTAATCA
TCTTAAATGAAACAGATCAGAAGCTGGATGAGAGCAGTCACCAGTTGTAGGGCAGGAGGCAGCTGAGAGGCAGG
GTTTGGGCCTCAGGACCATCCAGGTGGAGCCCTGGGAGAGAGGGTACTGATCAGCAGACTGGGAGGTGGGGAGAA
GTCCGCTGGTGTGTTTTAGTGTTATATATCTTTGGTTTTTTTTAATAAAATCTTTGAAAACCTAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA

6739/6881
FIGURE 6223

MEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHKQMRIVKPKVASMEEMATFHTDAY
LQHLQKVSQEGDDDDHPDSIEYGLGYDCPATEGIFDYAAAIGGATITAAQCLIDGMCKVAINWSGGWHHAKKDEAS
GFCYLNDVAVLGILRLRRKFERILYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYY
SVNVPIQDGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYILQWQLATLI
LGGGGYNLANTARCWTYLTGVILGKTLSEIPDHEFFTAYGPDYVLEITPSCRPDREPHRIQQILNYIKGNLKH
VV

6740/6881
FIGURE 6224

AAGACGGAGGTCCTCTTTCCTTGCCTAACGCAGCCATGGCTCGTGGTCCCAAGAAGCATCTGAAGCGGGTGGCAG
CTCCAAAGCATTGGATGCTGGATAAATTGACCGGTGTGTTTGCTCCTCGTCCATCCACCGGTCCCCACAAGTTGA
GAGAGTGTCTCCCCCTCATCATTTTCTGAGGAACAGACTTAAGTATGCCCTGACAGGAGATGAAGTAAAGAAGA
TTTGATGCAGCGGTTTCATTAAAATCGATGGCAAGGTCCGAACTGATATAACCTACCCTGCTGGATTTCATGGATG
TCATCAGCATTGACAAGACGGGAGAGAATTTCCGTCTGATCTATGACACCAAGGGTCGCTTTGCTGTACATCGTA
TTACACCTGAGGAGGCCAAGTACAAGTTGTGCAAAGTGAGAAAGATCTTTGTGGGCACAAAAGGAATCCCTCATC
TGGTGACTCATGATGCCCGCACCATCCGCTACCCCGATCCCCTCATCAAGGTGAATGATACCATTTCAGATTGATT
TGGAGACTGGCAAGATTACTGATTTTCATCAAGTTTCGACACTGGTAACCTGTGTATGGTGACTGGAGGTGCTAACC
TAGGAAGAATTGGTGTGATCACCACAGAGAGAGGCACCCTGGATCTTTTGACGTGGTTCACGTGAAAGATGCCA
ATGGCAACAGCTTTGCCACTCGACTTTCCAACATTTTTGTTATTGGCAAGGGCAACAAACCATGGATTTCTCTTC
CCCGAGGAAAGGGTATCCGCCTCACCATTGCTGAAGAGAGAGACAAAAGACTGGCGGCCAAACAGAGCAGTGGGT
GAAATGGGTCCCTGGGTGACATGTCAGATCTTTGTACGTAATTAAAAAATATTGTGGCAGGATTAATAGCAAAAAA
AAAAAAAAAAAAAAAAA

6741/6881
FIGURE 6225

MARGPKKHLKRVAAPKHWMLDKLTGVFAPRPSTGPHKLRECLPLIIFLRNRLKYALTGDEVKKICMQRFIKIDGK
VRTDITYPAGFMDVISIDKTGENFRLIYDTKGRFAVHRITPEEAKYKLCKVRKIFVGTKGIPHLVTHDARTIRYP
DPLIKVNDTIQIDLETGKITDFIKFDTGNLCMVTGGANLGRIGVITNRERHPGSFDVVHVKDANGNSFATRLSNI
FVIGKGNKPWISLPRGKGIRLTIAEERDKRLAAKQSSG

6742/6881
FIGURE 6226

ATGGGTCCACGTCTTGCAGCTACAGCTGCTGCAGCTACTCCTGCTGTCCGCACCGTTCCACAGTATAAATATGCT
GCGGGAGTTTGCAATCCTCAGCAACATCTTAATGCACAGCCACAAGTTACAGTGCAACAGCCTGCTATTCATGTA
CAAGGTCAGGAACCTTTGACTGTTTCCATGTTGGCATCTGCCCCCTCAAGAGCAAAAGCAAATGTTGGGTGAATGG
CTGTTTCCTCTTATTCAAGCCATGCACCCTACTCTTGCCGGTAAAATCACTGGCGTGTTGTTGGAGATTGATAAT
TCAGAACTTCTTCATATGCTCAAGTCTCCAGAGTCACTCCATTCTAAGGTTGATGAAGCTGTAGCTGTACTACAA
GCCCACCAAGCTAAAGAGACTGCCAGAAAGCAGTTAACAGTGCCACCGGTGTTCCAAC TGTTTAA

6743/6881

FIGURE 6227

GAACCGCCATCTTCCAGTAATTCGCCAAAATGACGAACACAAAGGGAAAGAGGAGAGGCACCCAATATATGTTCT
CTAGGCCTTTTAGAAAACATGGAGTTGTTCCCTTGGCCACGTATATGCAAATCTATAAGAAAGGTGATATTGTAG
ACATCAAGGGAATGGGTACTGTTCAAAAAGGAATGCCCCACAAGTGTTACCATGGCAAACTGGAAGAGTCTACA
ATGTTACCCAGCATACTGTTGGCATTGTTGTAAACAAACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAATG
TGCGTATTGAGCACATTAAGCACTCTAAGAGCCGAGATAGCTTCCTGAAACGCATGAATGAAAATGATCAGAGAA
AGAAATAAGCCAAAGAGAAAAGGTACCTGTGTTCAACTAAAGTGCCAGCCTGCTCCACCCAGAGAAGCACACTTG
TGAGAACCAATGGGAAGGAGCCTGAGCTGCTGGAACCTATTCTCTATGAATTTATGGCATAATAGGTGTTAAAAA
ATAAATAAAAGACATCTGGGCTGT

6744/6881
FIGURE 6228

ATGAGATCTGGTTGTTCCCTGGGTATCACCAATGATGTTACCCAGTCCATGGAGATTAGTTCCACCTTCTGGGTG
TTGGGAGTAGTTCCAGCACTTTCCAGAGCCTTCTCTCTCCTGTGCAAAATAGCAACTCTTAAGGAAAACTCATT
GTACCAGTTGCGGAAGAAGAGGCAACAGTCCAAAACAATAAGATCACTGTAGTGAGTGTTGGACAAGTTGGTATG
GCGTGTGCTATCAGCATTCTGGGAAAATCTCTGGCTGATGAATTTGCTTTTGTGGATGTTTTGGAAGATAAGCTT
AAAGGAGAAATGATGGATCTGCAGCATGGGAGCTTATTTCTCAAGAAGCTTAAAATTGTGGCAGATAAAGATTAT
TCTGTGACTGCCAGTTATAAGATTGTAGTGGTAACTTCAGGAGTCCTTCAGCAAGAGGGGGAGAGGCGGGACATT
CTTACGTATGTTACCTGGAAAATAAGTGGATTACTCAAACACCATGTGATTGGAAGTGGATGTAATCCGGATTCT
GCTAGATTTCACTGCCTTATGGATGAAAAATTTGGCATTTCATCCAGCAGCTGCCATGGAAGGATTTTGGGGGAA
CATAGTGACTCAAGTGTGGCTGTGTGGATTGGCATGAATGTGACAGGTTTTTCTCTCCAGGAATTGAATCCAGAA
ATAGGAACTGACAATGATAGTGAATAATTGGAAAGAAGTGCATAAGATGGTGGTTGAAAATGCCTATGAAGTCAAC
AAGCTAAATGGATATACCCACTGGGATATTGGATTAAAGTGTGGCTGATCTCATTGAATCCATGTTGAAAAATCTA
TCCAGGATTCATCTCGTGTCAACAATGGTAAAGGGGATGTATGGCATCGAGAATGAAGTCTTCCTGAGCCTTCCA
TATATCCTCAATGCCCGGGGATTAACCAGCGTTATCAACCAGAAGCTAAAGGATGATGAGGTTGCTCAGTTCAAG
AAAAGTACAGATACCCCGTGGGACATCCAGAAGGACCTAAAAGACCTGTGA

6745/6881
FIGURE 6229

ACTTATAGAAGGGAGAGGAGCGAACATGGCAGCGCGTTGGCGGTTTTGGTGTGTCTCTGTGACCATGGTGGTGGC
GCTGCTCATCGTTTTGCGACGTTCCCTCAGCCTCTGCCCCAAAGAAAGAAGGAGATGGTGTTATCTGAAAAGGTTAG
TCAGCTGATGGAATGGACTAACAAAAGACCTGTAATAAGAATGAATGGAGACAAGTTCCGTCGCGCTTGTGAAAGC
CCCACCGAGAAATTACTCCGTTATCGTCATGTTCACTGCTCTCCAAGTGCATAGACAGTGTGTCGTTTGCAAGCA
AGCTGATGAAGAATTCCAGATCCTGGCAAACCTCTGGCGATACTCCAGTGCATTACCAACAGGATATTTTTTGC
CATGGTGGATTTTGATGAAGGCTCTGATGTATTTTCAGATGCTAAACATGAATTCAGCTCCAAGTTTCATCAACTT
TCCTGCAAAGGGAAACCCAAACGGGGTGATACATATGAGTTACAGGTGCGGGGTTTTTCAGCTGAGCAGATTGC
CCGGTGGATCGCCGACAGAACTGATGTCAATATTAGAGTGATTAGACCCCAAATTATGCTGGTCCCCTTATGTT
GGGATTGCTTTTGGCTGTTATTGGTGGACTTGTGTATCTTCGAAGAAGTAATATGGAATTTCTCTTTAATAAAAC
TGGATGGGCTTTTGCAGCTTTGTGTTTTGTGCTTGCTATGACATCTGGTCAAATGTGGAACCATATAAGAGGACC
ACCATATGCCCATAGAATCCCCACACGGGACATGTGAATTATATCCATGGAAGCAGTCAAGCCCAGTTTGTAGC
TGAAACACACATTGTTCTTCTGTTTAAATGGTGGAGTTACCTTAGGAATGGTGCTTTTATGTGAAGCTGCTACCTC
TGACATGGATATTGGAAGCGAAAGATAATGTGTGTGGCTGGTATTGGACTTGTGTATTATTCTTCAGTTGGAT
GCTCTCTATTTTTAGATCTAAATATCATGGCTACCCATACAGCTTTCTGATGAGTTAAAAAGGTTCCAGAGATAT
ATAGACACTGGAGTACTGGAAATTGAAAAACGAAAATCGTGTGTGTTTGAAGAAGAATGCAACTTGTATATTT
TGTATTACCTCTTTTTTTCAAGTGATTTAAATAGTTAATCATTTAACCAGAAAGATGTGTAGTGCCTTAACAAG
CAATCCTCTGTCAAATCTGAGGTATTTGAAAATAATTATCCTCTTAACCTTCTCTTCCAGTGAAGTTTATGGA
ACATTTAATTTAGTACAATTAAGTATATTATAAAAAATTGTAAACTACTACTTTGTTTTAGTTAGAACAAAGCTC
AAAACACTTTTAGTTAACTTGGTCATCTGATTTTATATTGCCTTATCCAAAGATGGGGAAAGTAAGTCCTGACCA
GGTGTTCACCATATGCCTGTTACAGATAACTACATTAGGAATTCATTCTTAGCTTCTTCATCTTTGTGTGGATG
TGTATACTTTACGCATCTTTCCTTTTGGAGTAGAGAAATTATGTGTGTCATGTGGTCTTCTGAAAATGGAACACCA
TTCTTCAGAGCACACGTCTAGCCCTCAGCAAGACAGTTGTTTCTCCTCCTCCTTGCATATTTCTACTGCGCTCC
AGCCTGAGTGATAGAGTGAGACTCTGTCTCAAAAAAAGTATCTCTAAATACAGGATTATAATTTCTGCTTGAGT
ATGGTGTTAACTACCTTGTATTTAGAAAGATTTTCAAGATTCAATTCATCTCCTTAGTTTTCTTTTAAAGGTGACCCA
TCTGTGATAAAAAATATAGCTTAGTGCTAAAATCAGTGTAACCTTATACATGGCCTAAAATGTTTCTACAAATTAGA
GTTTGTCACTTATTCCATTTGTACCTAAGAGAAAAATAGGCTCAGTTAGAAAAGGACTCCCTGGCCAGGCGCAGT
GACTTACGCCTGTAATCTCAGCACTTTGGGAGGCCAAGGCAGGCAGATCACGAGGTCAGGAGTTCGAGACCATCC
TGGCCAACATGGTGAAACCCCGTCTCTACTAAAAATATAAAAAATTAGCTGGGTGTGGTGGCAGGAGCCTGTAATC
CCAGCTACACAGGAGGCTGAGGCACGAGAATCACTTGAAGTCAGGAGATGGAGGTTTCAGTGAGCCAAGATCACA
CCACTGCACTCCAGCCTGGCAACAGAGCGAGACTCCATCTCAAAAAAAAAAAAAAA

6746/6881
FIGURE 6230

AAGCCTCCGGAGCGCACGTCGGCAGTCGGCTCCCTCGTTGACCGAATCACCGACCTCTCTCCCAGCTGTATTTTC
CAAAATGTCGCTTTTCTAACAAGCTGACGCTGGACAAGCTGGACGTTAAAGGGAAGCGGGTCGTTATGAGAGTCGA
CTTCAATGTTCTATGAAGAACAACCAGATAACAAACAACCAGAGGATTAAGGCTGCTGTCCCAAGCATCAAATT
CTGCTTGGACAATGGAGCCAAGTCGGTAGTCCTTATGAGCCACCTAGGCCGGCCTGATGGTGTGCCCATGCCTGA
CAAGTACTCCTTAGAGCCAGTTGCTGTAGAACTCAAATCTCTGCTGGGCAAGGATGTTCTGTTCTTGAAGGACTG
TGTAGGCCCAGAAGTGGAGAAAAGCCTGTGCCAACCCAGCTGCTGGGTCTGTATCCTGCTGGAGAACCTCCGCTT
TCATGTGGAGGAAGAAGGGAAGGGAAAAGATGCTTCTGGGAACAAGGTTAAAGCCGAGCCAGCCAAAATAGAAGC
TTTCCGAGCTTCACTTTCCAAGCTAGGGGATGTCTATGTCAATGATGCTTTTGGCACTGCTCACAGAGCCCACAG
CTCCATGGTAGGAGTCAATCTGCCACAGAAGGCTGGTGGGTTTTTGATGAAGAAGGAGCTGAACTACTTTGCAAA
GGCCTTGGAGAGCCCAGAGCGACCCCTTCTGGCCATCCTGGGCGGAGCTAAAGTTGCAGACAAGATCCAGCTCAT
CAATAATATGCTGGACAAAGTCAATGAGATGATTATTGGTGGTGGGAATGGCTTTTACCTTCCTTAAGGTGCTCAA
CAACATGGAGATTGGCACTTCTCTGTTTGAAGAGGGAGCCAAGATTGTCAAAGACCTAATGTCCAAAGCTGA
GAAGAATGGTGTGAAGATTACCTTGCTGTTGACTTTGTCACTGCTGACAAGTTTGATGAGAATGCCAAGACTGG
CCAAGCCACTGTGGCTTCTGGCATACTGCTGGCTGGATGGGCTTGGACTGTGGTCCTGAAAGCAGCAAGAAGTA
TGCTGAGGCTGTCACTCGGGCTAAGCAGATTGTGTGGAATGGTCTGTGGGGGTATTTGAATGGGAAGCTTTTGC
CCGGGGAACCAAGCTCTCATGGATGAGGTGGTGAAAGCCACTTCTAGGGGCTGCATCACCATCATAGGTGGTGG
AGACACTGCCACTTGCTGTGCCAAATGGAACACGGAGGATAAAGTCAGCCATGTGAGCACTGGGGGTGGTGCCAG
TTTGGAGCTCCTGGAAGGTAAAGTCCTTCCTGGGGTGGATGCTCTCAGCAATATTTAGTACTTTCTGCCTTTTA
GTTCTGTGCACAGCCCCTAAGTCAACTTAGCATTTTCTGCATCTCCACTTGGCATTAGCTAAAACCTTCCATGT
CAAGATTAGCTAGTGGCCAAGAGATGCAGTGCCAGGAACCCTTAAACAGTTGCACAGCATCTCAGCTCATCTTC
ACTGCACCCTGGATTGTCATACATTCTTCAAGATCCCATTTGAATTTTTTAGTGACTAAACCATTGTGCATTCTA
GAGTGATATATTTATATTTTGCCTGTTAAAAAGAAAGTGAGCAGTGTTAGCTTAGTTCTCTTTTGATGTAGGTT
ATTATGATTAGCTTTGTCACTGTTTCACTACTCAGCATGGAACAAGATGAAATTCCATTTGTAGGTAGTGAGAC
AAAATTGATGATCCATTAAGTAAACAATAAAAGTGTCATTG

6747/6881
FIGURE 6231

MSLSNKLTLDKLDVKGRVVMRVDFNVPMKNNQITNNQRIKAAVPSIKFCLDNGAKSVVLMShLGRPDGVPM₁PD₂K
YSLEPVAVELKSLLGKDVLF₁LKDCVGPEVEKACANPAAGSVILLENLRFHV₁EEEGKGKDASGNKVKAEP₁AKIEAF
RASLSKLGDVYVND₁AFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKALESPERPFLAILGGAKVADKIQLIN
NMLDKVNEMIIGGGMAFTFLKVLNNMEIGTSLFDEEGAKIVKDLMSKAEKNGVKITLPVDFVTADKFDENAKTGQ
ATVASGIPAGWMGLDCGP₁ESSKKYAEAVTRAKQIVWNGPVGVFEWEAFARGTKALMDEVVKATSRGCITIIIGGD
TATCCAkwntedKVSHVSTGGGASLELLE₁GKVLPGVDALSNI

6748/6881
FIGURE 6232

CTCCCTGCCTCCGCGCTGCAGCCCCTGCCGTAGCCGCCCTGAGCCCGCCACCACCGCCTCTGAGCAGAAGATGG
CTGTGCCACCTACGTATGCTGATCTTGGCAAATCTGCCAGGGATGTCTTCACTGAGGGCTATGGATTGGCTTAA
TAAAGCTTGATTGAAAACAAATATGAGAATGGATTGGAATTTACAAGCTCAAGCTCAGCCAACACAGACCACC
AAAGTGACGGGCAGTCTGGAAACCAAGTACAGATGGACTGAGTACGGCCTCACGTTTACAGAGAAATGGAACACC
GACAATACACTAGGCACCAAGATTACTGTGGAAGATCAGCTTGCACGTGGACTGAAGCTGACCTTCGATTTCATCC
TTTTACCTAACACTGGGAAAAAAATGCTAAAATCAAGACAGGGTACAAGCGGGAGCACATTAACCTGGGCTGC
GACATGGTTTTTCGACATTGTTGGGCCTTCCATCCGGGGTGCTCTGGTGCTGGGTTACGAGGGCTGGCTGGCCGGC
TATCAGATGAATTTTGAGACTACAAAATCCCAGGTGACCCAGAGCAACTTTGCAATTGGCTACAAGACTGATGAA
TTCCAGCTTCACACAAATGTGAATGACGGGACAGAGTTTGGCGGCTCCATTTACCAGAAAGTGAACAAGAAGTTG
GAGACCACCGTCAATCTTGCCCTGGACAGCAGGAAACAGTAACACGCGCTTCGGAATAGCAGCCAAGTATCAGATT
GACCCTGACGCCTGCTTCTCGGCTAAAGTGAAACAACCTCCAGCCTGATAGGTTTAGGATACACTCAGACTCTAAAG
CCAGGTATCAAACCTGACACTGTCAGCTCTTCTGGATGGCAAGAACGTCAATGCTGGTGGCCACAAGCTTGGTCTA
GGACTGGAATTTCAAGCATAAATGAATACTGTACAATTGTTTAAATTTTAACTATTTTGCAGCATAGCTACCTTC
AGAATTTAGTGTTATCTTTAATGTTGTATGTCTGGGATGCAAGIATTGCTAAATATGTTACCCCTCCAGGTAA
AGATGATTGAGCTTTAAGATGTTACCCCTCCAGAGGTACAGAAGAAACGCATTTCCAAAAAGGTTCTTTGAGTG
GTAGACTCGGGGAGAACTTGTTGGCCCCCTTTGAGGTGCCAGGTTTCTTTTTCATCTAGAGATGGCTGCGAGTGGA
AGCTGATAATATGTAGGCACCTTTGTAAATTCATATTGAGTAAATGAATGAAATTGTGATTTCTTGAGAATCGAAC
CATGGTTTCTTAACCCTAATTGATGAGAGGCTCGCTGCTTGATGGTGTGTACAAGCTCACCTGAATGGGACTTTT
TTAGACAGATCTTCATGACCTGTTCCACCCCAGTTCATCATCATCTCTTTTACACCAAAGGTCTGCAGGGTGT
GGTCACTCTTTCTTTTGTCATTTTGGGGTGGAGAAGGTAGATGTGATGAAACCAATAATTCAGGACTTATTCC
TTCTTGTTGTGTTTTTTTTTGGCCCTTGACCAGAGTATGAAATAGCTTCCAGGAGCTCCAGCTATAAGCTTGG
GAGTGTCTGTGTGATTGTAATCACATGGTGACAGCACTCAGAATCTAAATTGGACTTCTGCTGTATTCTCACCAC
TCAATTTGTTTTTTAGCAATTTAATGGCTACATTTTAGAGTCTTCCATTTTTTGTGGAATTAGATCCTCCCTTC
AAATGCTGTAATTAACATCACTTAAGAAAACCTGAATAAAATGTTGAAACCTC

6749/6881
FIGURE 6233

TAGCTGGATTCCAGCCATTGCTGCAGCTGCTCCACAGCCCTTTTCAGGACCCAAACAACCGCAGCCGCTGTTCCC
AGGATGGTGATCCGTGTATATATTGCATCTTCCTCTGGCTCTACAGCGATTAAAGAAGAAACAACAAGATGTGCTT
GGTTTCCTAGAAGCCAACAAAATAGGATTTGAAGAAAAAGATATTGCAGCCAATGAAGAGAATCGGAAGTGGATG
AGAGAAAATGTACCTGAAAATAGTCGACCAGCCACAGGTTACCCCTGCCACCTCAGATTTTCAATGAAAGCCAG
TATCGCGGGGACTATGATGCCTTCTTTGAAGCCAGAGAAAATAATGCAGTGTATGCCTTCTTAGGCTTGACAGCC
CCACCTGGTTCAAAGGAAGCAGAAGTGCAAGCAAAGCAGCAAGCATGAAACCTTAAGCACTGTGCTTTAAGCATCC
TGAAAAATGAGTCTCCATTGCTTTTATAAAAATAGCAGAATTAGCTTTGCTTCAAAGAAAATAGGCTTAATGTTGA
AATAATAGATTAGTTGGGTTTTACATGCAAAACATTCAAATGAATACAAAATTTAAATTTGAACATTATGGTGA
TTATGGTGAGGAGAATGGGATATTAAACATAAAAATATATTAAATAAGTAGATATCGTAGAAAATAGTGTGTTACCT
GCCAAGCCATCCTGTATACACCAATGATTTTACAAAGAAAACACCCTTCCCTCCTTCTGCCATTACTATGGCAAC
TTAAGTGTATCTGCAGCTCTACATTA AAAAGGAGAAAAGAGAAAATAACCTGTCTCTCATTCCCTAAGTTGCCCTCATT
AATTTTCATGAACAAGAATATGTACCTTTTTGATGCTATATTACTGCGATTAAAAAGTTCTTGCAGGTAATGTTT
ATGATATGTTAAACGTTGTAATTTCCCTATCGTAATTATAACATTCCCATTCCTTTGTAGATGAAACTTCTACATA
TTGAACCACAGATTTTCTGAGCTTCTAAATGTAGCCTTTTCATTGCACATTTTCAGTGATCAGAATAGATATCCTTT
TACACGCACAAAAGCAATAGATTCATTTCAGTGGACAAGTTCCTTGTTTAACTACACAGCTATGATGGAATGATAT
ATCCAAGTTCCTTGCCCTCAGTGAAATATGCATATGTATATCATGAAAGTGGGATGCCAAGTAAGCTTAAATGGC
ATTCTCTAGCAAAGAGATTAGACTTTTAAATAACTCTTATAAAACAGGTTGGCGATCATTCCCAAGATTGGTTT
CCCTTGAGTTTTTGTCTAAAACAAATCTTAGTAGTTTTGCCCGTTTAAACAACCTCACAATCGTAAATGCTACTAT
TCCTAAGATATCTTACCTTTTTATTTCAGTTTAGCCATGTATTGTATGAGTGTATTAGTCTAAGCAGTGAGAATC
TTTTCTATGCCTCTATTCCAGCAAAAAGTAGAAGTATCAAATAAAAAGGGCAACTTTTAAATATTAAGCCTGAA
GACTTCTAAAAGACAAGAAACATGGCCTAAATAACCAACATAGATTTACATAGTAAGTTTCACACTACCTTATT
ACCAAAAGCAAACACCTCTTACTTTAAACTACATTATCATGTATATCTATTGTATGCTGGTCTTTACTTTTTGCC
AAAATCAACATATAATGAAGAGATGCCTTTGTTTCATGAGATTCAAACCTTGATGCTATGCTTTAAATAAACTCA
GTACTTTTAGAAACAT

6750/6881
FIGURE 6234

MVIRVYIASSSGSTAIAKKKQDVLGFLEANKIGFEEKDIAANEENRKWMRENVPENSRPATGYPLPPQIFNESQY
RGDYDAFFEARENNAVYAFLGLTAPPGSKEAEVQAKQQA

6751/6881
FIGURE 6235

TTTCCGCACTACCTACAGAGGGGTCCATAGGGGGTTGTTCTAGATTCCCGTCGTAACCTAAAGGGAACTTTCAC
AATGTCCGGAGCCCTTGATGTCCTGCAAATGAAGGAGGAGGATGTCCTTAAGTTCCTTGCAGCAGGAACCCACTT
AGGTGGCACCAATCTTGACTTCCAGATGGAACAGTACATCTATAAAAGGAAAAGTGATGGCATCTATATCATAAA
TCTGAAGAGGACCTGGGAGAAGCTTCTGCTGACAGCTCGTGCTATTGTTGCCATTGAAAACCCTGCTGATGTCAG
TGTTATATCCTCCAGGAATACTGGCCAGAGGGCTGTGCTGAAGTTTGCTGCTGCCACTGGAGCCACTCCAATTGC
TGGCCGCTTCACTCCTGGAACCTTCACTAACCAGATCCAGGCAGCCTTCCGGGAGCCACGGCTTCTTGTTGGTTAG
TGACCCAGGGCTGACCACCAGCCTCTCACGGAGGCATCTTATGTTAACCTACCTACCATTGCTCTGTGTAACAC
AGATTCTCCTCTGCACTATGTGGACATTGCCATCCCATGCAACAACAAGGGAACCTCACTCAGTGGGTTTGATGTG
GTGGATGCTGGCTCGGGAAGTTCTGCGCATGCGTGGCACCATTTCCTCGTGAACACCCATGGGAGGTCATGCCTGA
TCTCTACTTCTACAGAGATCCTGAAGAGATTGAAAAAGAAGAGCAGGCTGCTGCTGAAAAGGCAATGACCAGGGA
GGAACCTCAGGGTGAATGGACTGCTCCAGCTCCTGAGTTCACTGCTACTCAGCCTGAGGTTGCAGACTGGTCTGA
AGGTGTACAGGTGCCCTCTGTGCCTATTTCAGCAGTTCCCTACTGAAGACTGGAGCACTCAGCGTGCCACGGAAGA
CTGGTCTGCAGCTCCCACTGCTCAGGCCACTGAATGGGTAGGAGCAACCACTGACTGGTCTTAAGCTGTTCTTGC
ATAGGCTCTTAAGCAGCATGGAAAAATGGTTGATGGAAAATAAACATCAGTTTCT

6752/6881

FIGURE 6236

MSGALDVLQMKEEDVLKFLAAGTHLGGTNLDFQMEQYIYKRKSDGIYIINLKRTWEKLLLTARAIVAIENPADVS
VISSRNTGQRAVLKFAAATGATPIAGRFTPGTFTNQIQAAFREPRLLVSDPRADHQPLTEASYVNLPTIALCNT
DSPLHYVDIAIPCNNKGTHSVGLMWWMLAREVLRMRGTISREHPWEVMPDLYFYRDPEEIEKEEQAAAEKAMTRE
ELQGEWTAPAPEFTATQPEVADWSEGVQVPSVPIQQFPTEDWSTQRATEDWSAAPTQAATEWVGATTDWS

6753/6881
FIGURE 6237

GATCATGTCTGTAAGCCAGGATTCTGATCCAGAGACAATGGCCCCGATGGGATGGAGCCCGAAGGCGTCATCGA
GAGTAACTGGAATGAGATTGTTGACAGCTTTGATGACATGAACCTCTCGGAGTCCCTTCTCCGTGACATCTATGC
CTATGGTTTTTGAGAAGCCCTCTGCCATCCAGCAGCAAGCCATTCTACCTTGTATCAGGGGTTATAATGTAATCGC
TCAAGCCTGATCTGGGACTGGGAAAATGGCCACATTTGCCATATCGATTCTGCAGCAGATTGCATTAGATCTAAA
AGCCACCCAGGCCTTGGTCCTAGCACCCACTCGAGAATTGGCTCAGCAGATACAGAAGGTGGTCATGGCACTAGT
AGACTACATGGGTGCCCTCCTGTCATGCCTGTATCAGGGGCACCAATGTGCGTGCTGAGGTGCAGAACTGCAGAT
GGAAGCTCCCCACATCATCGTGGGTACCCCTAGCTGTGTGTTTGATATGCTTAACCGGAGATACCTATCTCCCAA
ATACATCAAGATGTTTGTACTGGATGAAGCTGACGAAATGTTAAGCCGTGGATTCAAGGACCAGATCTATGACAT
ATTCCAAAAGCTCAACAGCAACACCCAGGTAGTTTTTGCTGTGCTAGCTACAATGCCTTCTGATGTGCTTGAGGTGAT
CAAGAAGTTCATGAGGGACCCCATTCGGATTCTTGTCAAGAAGGAAGAGTTGACCCTGGAGGGTATCCGCCAATT
CTACATCAACGTGGAACGAGAGGAGTGGAAGCTGGACACACTATGTGACTTGTATGAAACCCTGACCATCACCCA
GGCAGTCATCTTCATCAATACCCGGAGGAAGGTGGACTGGCTCACCGAGAAGATGCATGCTCGAGATTTCACTGT
CTCCGCCATGCATGGAGATATGGACCAAAAGGAGCGAGACGTGATCACGAGGGAGTTTCGTTCTGGCTCTAGCAG
AGTTTTGATTACCACTGACCTGCTGGGAAAACCTATATCCACAGAATCAGTCGAGGTGGACAGTTTGGCCGTAAAG
ATGTGGCTATTAAACATGGTGACAGAAGAAGACAAGAGGACTCTTCGAGACATTGAGACCTTCTACAACACCTCCA
TTGAGGAAATGCCCCAATGTTGCTGACCTCATCTGAGGGGCTGTCTGCCACCCAGCCCCAGCCAGGGCTCAAT
CTCGGGGGGCTGAGGAGCAGCAGGAGAGGGGAAGGAAGGGAGCCAAGGGATAGACATCTTGTCATTTTTTTTTCTT
TGAATAAATGTCACTTTTTTGAGGCAAAA

6754/6881
FIGURE 6238

TCGTCGGCAAAGCCTGAGTCCTGTCCTATCTCTCTCCTCCCCGGACAGCATGAGCTTCACCACTCGGTCCACCTT
CTCCACCAACTACCACTCACTGGGCTCTGTCCAGGCGCCAGCTACGGCGCCCGGCCGGTCAGCAGCGCGGCCAG
CGTCTATGCAGGCGCCGGGGGCTCTGGTTCCCGGATCTCCGTGTCCCGCTCCACCAGCTTCCGGGGTGGCATGGG
GCCTGGGGGCTGGCCGCGGGGATGGCTGGGGGTCTGGCAGGAATGGGAGGCATCCAGAACAAGAAGACCATGCA
AAGCCTGAACGACCGCCTGGCCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACTGAGAACCGTAGGCTGGAGAG
CAAAATCCGGGAGCACTTGGAGAATAAGGGACCCAGGTCAAAGACTGGAGCCATTACTGCAAGACCATCGAGGA
CCTGAGGGCTCAGATCTTCGCAAATACTGTGGACAATGCCTGCATCGTTCTGCATATTGACAATGCCCGTCTTGC
TGCTGATGACTTTAGAGTCAAGTATGAGACACAGCTGGCGATGCGCCAGTCTGTGGAGAACGACATCCATGGGCT
CCGCAAGGTCATTGATGACACCAATGTCACTTGACTGCAGCTGGAGACAGAGATTGAGGCTCTCAGGGAGGAGCT
GCTCTTCATGAAGAACCACGAAGAGGAAGTAAAGGCCCTACAAGCCCAGATTGCCAGCTTTAGGTTGACCGTGGA
GGTAGATGCCCCCAAATCTCAGGACCTCGCCAAGATCATGGCAGACATCCGGGGCCAATATGACGACCTGGCTGG
GAAGAACCGAGAGGAGCTAGACAAATACTGGCCTCAGCAGTTTGAGGAGAACACCACAGTGGTCACCACAGTCCG
CCGAGGTTGGAGCTGCTGAGATGACGCTCACAGAGCTGAGACGTACAGTCCAGTCCTTGGAGATCGACCTGGACT
CCATGAGAAATCTGAAGGCCAGCTTGGAGAACAACCCGAGGGAGGTGGAGGCCCGCTACTCCCTACAGATGGTGC
AGCTCATCGGGATCCTGCTGCACCTGGAGTCAGAGCTGGCACAGACCCGGGCAGAGAGACAGTGCCAGGCCCAGG
AGTAATGAGGCCCTGCTGAACATCAAGGTCAAGCTGGAGGCTGAGATCGCCACCTACCGCCGCCTGCTGGAAGAT
GGCGAGGACTTCACTCTTGGTGATGCCTTGGACAGCAGGAATCCATGCAAACCATCCAAAAGACCACCACCCGC
CGGAAAGTGATGGCAAAGTGGTGTCTGAGACCAACAACACCAAAGTTCTGAGGCATTAAGCCAGCAGAAGCAGG
GTACCCTTTGGGGAGCAGGAGGCCAATAAAAAGTACAGAGTT

6755/6881
FIGURE 6239

CGGAAGCCGACTCAACAGAGCTATGCGCGGGTTTGA CTGTGAGAGACCCAGCGGTGGATCGTTCTCTACGTTCTGT
GTTCTGTGGGGAACATTCCCTTATGAAGCTACTGAAGAGCAGTTGAAGGACATCTTTTCTGAGGTTGGACCTGTTGT
TAGTTTCAGATTGGTATACGATAGAGAGACAGGAAAGCCAAAGGGTTATGGCTTCTGTGAATACCAAGACCAAGA
GACAGCACTTAGTGCCATGCGGAACCTGAATGGGCGCGAATTTCAGTGGGAGAGCACTTCGAGTGGACAATGCTGC
CAGTGAAAAGAACAAGAAGAGCTGAAGAGCCTTGGCACTGGTGCCCTGTCATTGAGTCACCTTATGGAGAGAC
CATCAGTCCTGAGGATGCCCCTGAGTCCATTAGCAAAGCAGTTGCCAGCCTTCCACCAGAGCAGATGTTTGAGCT
GATGAAACAAATGAAGCTCTGTGTCCAGAATAGTCCCCAGGAGGCACGGAACATGTTACTTCAGAACCCCTCAACT
GGCTTATGCTTTGCTGCAAGCACAGGTAGTGATGAGAATTGTGGATCCGGAAATTGCCCTGAAAATTCTGCATCG
CCAGACAAATATCCCAACGCTGATTGCAGGCAACCCCTCAGCCAGTCCATGGTGCTGGGCCTGGCTCAGGATCCAA
TGTGTCAATGAACCAGCAGAATCCTCAGGCCCTCAGGCCAGTCTTTGGGTGGAATGCATGTCAATGGCGCACC
TCTCTGATGCAAGCTTCTATGCAGGGTGGAGTTCACGACCAGGGCAAATGCCAGCTGCTGTACAGGACCTGG
CCCTGGTTTCCTTAGCTCCTGGAGGAGGAATGCAGGCTCAGGTTGGAATGCCAGGAAGTGGACCAGTGTCCATGGA
ACGGGGGCAAGTGCCGATGCAAGACCCAGAGCAGCTATGCAGCGGGGATCCTTGCCCTGCGAATGTCCCAACCCC
TCGAGGCTTGTTAGGAGATGCTCCGAATGATCCACGGGGAGGCACCTTTACTTTCTGTAAGTGGAGAGGTAGAGCC
TAGAGGTTACTTGGGACCACCTCATCAGGCTCCACCCATGCACCATGTCCCTGGCCATGAGAGCCGAGGACCACC
CCCACATGAAGTGAAGGGAGGGCCATTACCCGAGCCAGACCTCTAATGGCAGAACCAAGAGGACCCATGCTAGA
TCAGAGGGGTCCACCCTTGGATGGCAGAGGTGGAAGGGATCCCCGAGGAATAGATGCACGAGGGATGGAGGCCCG
AGCCATGGAGGCAAGAGGGTTAGATGCCAGAGGATTAGAGGCCCGTGCAATGGAGGCCCGTGCGATGGAAGCTCG
TGCAATGGAGGCCCGAGCGATGGAGGCCCGTGCAATGGAAGTCCGAGGGATGGAGGCCAGAGGCATGGATACCAG
AGGCCAGTGCCTGGCCCCAGAGGACCTATACCTAGTGAATGCAGGGTCCCAGTCCAATTAACATGGGGGCGGT
TGTCCCCCAGGGATCCAGACAGGTCCCAGTCATGCAGGGAACAGGAATGCAAGGAGCAAGTATACAGGGTGAAG
CCAGCCTGGCGGCTTTAGTCCCGGGCAGAACCAAGTCACTCCACAGGATCATGAGAAGGCTGCTTTGATTATGCA
GGTTCTACAAGTGAAGTGCAGACCAGATTGCCATGTTGCCTCCTGAGCAAAGGCAGAGTATCCTGATTTTAAAGGA
ACAAATACAGAAATCCACTGGAGCACCTTGATAGGTTTTCAAAAATACCTGGCAAGAAATCTGGAAATTTCTATAA
TTTTGTTGAAATATTGAAAAAAGATGACCTGCATCCTAACCTTGAATGACTCAAATCAGTGCCAGGTGGAGGAC
TCCCATCACCTTCTCTCAGAACAAAATCACTTCATTTTATTGTCTTAGTTTGTATATTTTCTGTGACTTGAAATA
AACTTTGAACACAATTTTAGTACACTGC

6756/6881
FIGURE 6240

MAGLTVRDPAVDRSLRSVFVGNIPYEATEEQDKDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQETALSAMR
NLNGREFSGRALRVDNAASEKNKEELKSLGTGAPVIESPYGETISPEDAPESISKAVASLPPEQMFELMKQMKLC
VQNSPQEARNMLLQNPQLAYALLQAQVVMRIVDPEIALKILHRQTNIPTLIAGNPQPVHGAGPGSGSNVSMNQON
PQAPQAQSLGGMHVNGAPPLMQASMGGVPAPGQMPAAVTGPGPGSLAPGGGMAQVGMFGSGPVSMEERGQVPMQ
DPRAAMQRGSLPANVPTPRGLLGDAPNDPRGGTLLSVTGEVEPRGYLGPPHQGPPMHVPGHESRGPPPHELRGG
PLPEPRPLMAEPRGPMLDQRGPPLDGRGGRDPRGIDARGMEARAMEARGLDARGLEARAMEARAMEARAMEARAM
EARAMEVRGMEARGMDTRGPVPGPRGPIPSGMQGPSPINMGAVVPQGSRQVPVMQGTGMQGASIQGGSQPGGFSP
GQNQVTPQDHEKAALIMQVLQLTADQIAMLPPEQRQSILILKEQIQKSTGAP

6757/6881
FIGURE 6241

AAGGGTTGGCTGCGCGTGC GGCGGGAGTAGAGGCGCCTTGCGCACCAGGAAGTGACTGTTTCCCCGCCG CAGCAA
ACCAGGCCATCCGCTGGCCTTTTAGTTTGCCGCCTCAGGTTTGTAAGAGGATTTATTGGTTACGAAGGAAGGTGG
ATTTCA GTGTGTTCTTTGGATGGCAGGCCTTAAGAGAAGAGTCCCACTGCACAGCCTCAGATACTTCATCTCCAT
GGTGGGTCTCTTCTCCAAACCAGGACTGCTTCCCTGGTATGCCAGAAAATCCACCAGGATGGTCACAGCTCTTTCT
GGGCACAGTATGTAAGGGAGATTTACCCGTGTGATAGCCACGAAATGTCAGAAAGGACAAAAAGTCAGAAGAA
ACCAAGCCATCTTGGACCACTAGATGGTTCCCTGGCAGGAAAGGCTGGCTGATGTTGTGACACCACTCTGGAGGTT
GAGCTATGAAGAACAGCTCAAGGTGAAATTTGCAGCTCAGAAGAAAATTTTACAAAGACTAGAGTCTTACATCCA
AATGCTCAATGGAGTCAGTGTGACAACGGCTGTACCCAAATCTGAGAGGCTCTCTTGTCTTCTCCATCCTATTAT
ACCCTCTCCTGT CATCAATGGTTACCGAAATAAGTCCACCTTCTCTGTGAACCGAGGTCCAGATGGCAATCCAAA
GACTGTGGGGTTCTACCTGGGAACCTTGGAGAGATGGGAACGTTGTCTGTGTGCAGTCTAATCATCTGAAAAACAT
CCCTGAGAAACACAGTCAAGTGGCGCAGTACTATGAAGTATTCCTTCGACAGTCTCCATTGGAGCCCTGCCTTGT
ATTTCA TGAAAGGTGGATACTGGCGTGAGCTCACAGTCCGCACCAATAGCCAAGGGCACACAATGGCTATCATCAC
TTTCCATCCCCAGAAATTAAGTCAGGAGGAGCTCCATGTTTCAGAAGGAGATTGTAAAGGAATTTTTTCATCAGAGG
TCCTGGAGCAGCCTGTGGCTTGACCTCACITTTACTTCCAGGAAAGTACCATGACCCGTTGCAGCCATCAGCAGTC
TCCCTATCAGCTTCTGTTTGGGGAACCTACATCTTTGAAGAACTTCTGAGCTTGAAGATCCGCATCTCTCCAGA
TGCTTTTTTCCAGATTAAACACAGCTGGTGCAGAGATGCTGTATCGGACTGTGGGGGAGCTGACTGGAGTGAAC TC
TGACACCATCCTTCTTGACATCTGCTGTGGAACCTGGTGTGATTGGCCTCTCTCTGGCTCAGCATACATCTCGGGT
CCTTGGGATTGAATTGTTGGAGCAGGCAGTGGAGGATGCAAGATGGACTGCAGCCTTCAATGGCATCACCAACTC
TGAATTTCA TACTGGTCAAGCAGAGAAGATTTTGCCAGGGCTGCTAAAGTCAAAGGAAGATGGACAGTCAATTGT
TGCTGTGGTGAACCCAGCCCGTGCCGGACTGCATTACAAGGTGATTCAAGCCATTGCAAACCTCAGGGCCATCCA
CACGCTAGTTTTTTGTTTCCCTGCAAGCTCCATGGTGAATCCACTAGGAATGTCATTGAGCTGTGCTGCTCTCCAGA
CCCTGCTAAGAAGCTCTTAGGCGAGCCCTTTGTCTGCAGCAAGCTGTACCTGTGGATTTGTTCCCTCACACCCC
ACATTGTGAGCTGGTGTCTCTTTACTCGATAAGCAGCCTCCTAGAAGACAGCAGGCTATTTGTTAAGGCTGAA
GTTTCAGAAACTTTCAGGTTTGGCATATTGCTACATTGCAGACCCTGGGAGCATTACAGTGGAAACCAATCTTG
GTTTGTGAATAGGAAGAATCTATTAGGCCTCTGGTCTGAGGCAGATTTTTTTTTTTGAGATAGAGTCTCACTCTTG
CCCAGGCTGGAGTGTCTGTGGCGTGATCTCAGCTCACTGCAACCTCCGCCTCCCGGGTTCAAGTGATTCTCGTGCC
TCAGCTTCCCCAGTAGCTAGGATTAAAGGTGCGTGCCACCATGCCCCGGCTAATTTTTTG TATTTTGGTAGAGACA
GGGTTTCACCATGTTGGCCAGGCTGGTCTCAAACCTCCTGACCTCAAGTGATCCACCCGCTCGGCCCTCTCAAAGT
GCTGGGATTATAGGCGTGAGCCACCACACCCCGCCGCGGCTGACTTAACCTTAGATTTT CAGATTCCCTTTCAATC
ATGCCCGTTTGCTTGGGTTTGACCACTCCCCACTCCTGGATCTGGACTGTTTCTTCTGTTGCTGTCAGCCTTGG
TTCTAGTTTATAGTCTTGCTCTCCCTCCGTTTCTGCTTATGGTGTGGACAAATGACCTTTTTTTAAGCAGCTGGTAAT
AATTTTACATTGACTGGAGCCTGTGCATTTGCTCAGAGATGCTACAATTTTTTAGATATTTCTAAGACTTCTGGAT
TCTTGAGGTAGTTAAGGATTAAAACCAGAAACAGTCGAGGTTTTTTTAAAGCAGGGTAAGCCATGAAGTGAATAC
AGGGTGACTGAGTGATCATCAGATGAGATTAATCTTTTGGGTTTTCTTGGTTTTAAGGCATCTCGAATGCCCT
TGAAAATGTAGTTTTTCCCTGGTGGTGGGCACCTGTAATCCAGCTACTCGGGAGGCTGAGGCAGGATAATTGCTT
GAACCTGGGAGGTGGAGGTTGCAGTGAGCTGAAATTGTGCCACTGCACTCCAGCCTGGGTGACAGAGTGAGACAC
CATCTC

6758/6881
FIGURE 6242

GCGGAGTTCGTCTCTGCAAGCTTGGTCGCCCTGGGATGGATTCTCCTCCTCTTCTCCGCGGCGGGTTTGGGTG
CAGTGGACCCACAGTTGCAGCATTTTCATCGAGGTAGAGACTCAAAAGCAGCGCTTCCAGCAGCTGGTGCACCAGA
TGAAGTGAACCTTTGTTGGGAGAAGTGCATGGACAAGCCTGGGCCAAAGTTGGACAGTCGGGCTGAGGCCTGTTTTG
TGAAGTGCCTTGAGCGCTTCATTGATACAAGCCAGTTCATCTTGAATCGACTGGAACAGACCCAGAAATCCAAGC
CAGTTTTTCTCAGAAAGCCTTTCTGACTGATCTCAGCATTACCTCTTTGGAAAAGGAAGGTAGTTCAAGAAATGAA
GAGCTGTTGATGGGATGATTGAAGAAACAGCTATGAGAGGATTGGCTCCCCTCTTTTGTACTCTTGGGACATCC
TGTCATCTGAGAATGAACAAAGACCAATTTTTTGTGTGTGAAGCTTAAGGGTCATATGTTTGCTTGTATTTTTTA
ATGCTAATCTTGTGAAAATAATTGACAGGCGAAAGAAAACCTCTATTTAGATGCATATTACTGTACATGGGACTAT
GCTTTTCTCAAAGCCCCATTAACTGCTTCCTATAATTTTGATAGTGGGACCACATACGTAAAAATCTCTCATTG
TGTGGAGTCATTTCTGATTTTCAGGGGAGATCCTTGTGTTTATCAGAAAGGGCAGAAGTAGGGGAAGAATAATTTG
GTATCCTTATCTAGTGTGTTGATTGTCAATGCTGGAGAAAAATATCTGTAAGAGTGTGTTATACAGTACACTTCAGT
TATCTTGATCTCCCTTTCTTATATGATGATTTGCTTAAATATCCATATTAAGTAAGTCTCAAGGTAGGGTAGGCA
GCCTGAGAGTCTAGAGGCCTTTAGTTATAAAGGAATCTAGCCAGTGAACATAATTCTTATTACTAGACTGCCACA
AGGAAGAAATTAACCTTACCCTGTATATCAGGGTACAAAAAATTCAGTGATGTGCCTAAATAAGTTATAAAGATTT
AGGCCAATCAGAAGCTAACAGCAGTTTCAGGTAGAGGTGCATGCCTAATGTTAGTTAGTGTAGATTCCATTTACT
GCATTCTTCTGATCACTGAAATAAAAGCTATATAAGATTTCATA

6759/6881
FIGURE 6243

MDSSSSSSAAGLGAVDPQLQHFIEVETQKQRFQQLVHQMTCLWEKCMDKPGPKLDSRAEACFVNCVERFIDTSQ
FILNRLEQTQKSKPVFSESLSD

6760/6881

FIGURE 6244

GCGGTTTCTTTCTTTCCGCGCCGATAGCGCTCACGCAAGCATGGTTAACGTCCCTAAAACCCGCGGACTTTCTG
TAAGAAGTGTGGCAAGCACCAACCCCATAAAGTGACACAGTACAAGAAGGGCAAGGATTCTCTGTACGCCCAGGG
AAAGCGGCGTTATGACAGGAAGCAGAGTGGCTATGGTGGGCAAACTAAGCCGATTTTCCGGAAAAAGGCTAAAAC
TACAAAGAAGATTGTGCTAAGGCTTGAGTGC GTTGAGCCCAACTGCAGATCTAAGAGAATGCTGGCTATTAAAAG
ATGCAAGCATT TTTGAACTGGGAGGAGATAAGAAGAGAAAGGGCCAAGTGATCCAGTTCTTAAGTGTCATCTTTTAT
TATGAAGACAATAAAATCTTGAGTTTATGTTCAAAAAAAAAAAAAAAAAAAAA

6761/6881
FIGURE 6245

MVNVPKTRRTFCKKCGKHQPHKVTQYKKGKDSLYAQGKRRYDRKQSGYGGQTKPIFRKKAKTTKKIVLRLECVEP
NCRSKRMLAIKRCKHFELGGDKKRKGQVIQF

6762/6881
FIGURE 6246

CACGTCGGCTGCTGGGAAGATCTGGATTCTCGTTTCAGGTCACCATCAGAAAAGCTAAGTTTGCTGTATAGTGAG
GATCAGGAGATCTGATCCTGATTGCAGAACCTTCCCTGATTACAGAATCTTGGATGATTTACAAAAGTTCATCT
TCATTGCAGATACCTGCCTTTCTTTCTAGGTTGTATCTCCCACTTCACCCCTTCTAGACCATCCAGAAAGATCTAT
AAGATTTTCACTCTGGGAAATCACTAGGAGTTCTTGGAAGGGAAAGAAGGAAAGATTGTTGGTTGGAATAAAAAACAGG
GTTGAATGAGTTCCAGAAAAGCAGGGTTCTCAACCTCGTGGACAGCAATCTGCAGAAGAAGAGAACTTCAAAAAAC
CAACTAGAAGCAACATGCAGAGAAGTAAAATGAGAGGGGCTCCTCAGGAAAAGAAGACAGCTGGTCCACAGCAGA
AAAATCTTGAACCAGCTCTCCCAGGAAGATGGGGTGGTCTGCTGTCAGAGAACCCCCCTTCAGGATCCGTGAGGA
AGACCAGAAAAGAACAAAGCAGAAGACTCCTGGAAACGGAGATGGTGGCAGTACCAGCGAAGCACCTCAGCCCCCTC
GGAAGAAAAGGGCCCCGGGCAGACCCCACTGTTGAAAGTGAGGAGGCGTTTAAGAATAGAATGGAGGTTAAAGTGA
AGATTCTTGAAGAATTAAAACCATGGCTTGTGAGGACTGGGACTTAGTTACCAGGCAGAAGCAGCTGTTTCAAC
TCCCTGCCAAGAAAAATGTAGATGCAATTCTGGAGGAGTATGCAAAATGCAAGAAATCGCAGGGAAATGTTGATA
ATAAGGAATATGCGGTTAATGAAGTTGTGGCAGGAATAAAAGAATATTCAATGTGATGTTGGGCACTCAGCTGC
TCTACAAATTTGAGAGGCCCCAGTATGCTGAAATCCTCTTGGCTCACCCCTGATGCTCCAATGTCCAGGTTTATG
GAGCACCACACCTACTGAGATTATTTGTAAGAATTGGAGCAATGTTGGCCTATACGCCCTTGATGAGAAAAGCC
TTGCATTATTGTTGGGCTATTTGCATGATTTTCTTAAATATCTGGCAAAGAATTCTGCATCTCTCTTTACTGCCA
GTGATTACAAAAGTGGCTTCTGCTGAGTACCACCGCAAAGCCCTGTGAGCGTCTACAGACAGCTCACCATTTTTGT
CCTGTATCTGTAAACACTTTTTGTTCTTAGTCTTTTTCTTGTAATTTGATGTTCTTTAAATCGTTAATGTATA
ACAGGGCTTATGTTTCAGTTTGTTCCTGTTTAAACAGAAAATAAAAGGAGTGTAAAGCTCCTTTTCTCA
TTTCAAAGTTGCTACCAAGTGTATGCAGTAATTAGAACAAAGAAGAAACATTCAGTAGAACATTTTATTGCCTAGT
TGACAACATTGCTTGAATGCTGGTGGTTCCTATCCCTTTGACACTACACAATTTTCTAATATGTGTTAATGCTAT
GTGACAAAACGCCCTGATTCCTAGTGCCAAAGGTTCAACTTAATGTATATACCTGAAAACCCATGCATTTGTGCT
CTTTTTTTTTTTATGGTGCTTGAAGTAAAACAGCCCATCCTCTGCAAGTCCATCTATGTTGTTCTTAGGCATTCT
ATCTTTGCTCAAATGTTGAAGGATGGTGATTTGTTTCATGGTTTTGTATTTGAGTCTAATGCACGTTCTAACA
TGATAGAGGCAATGCATTATTGTGTAGCCACGGTTTTCTGAAAAGTTGATATTTTAGGAATTGTATTCAGATC
TTAAATAAAATTTGTTTCTAAATTC

6763/6881
FIGURE 6247

MSSRKQGSQPRGQQSAEEENFKKPTRSNMQRSKMRGASSGKKTAGPQQKNLEPALPGRWGGRSAENPPSGSVRKT
RKNKQKTPGNGDGGSTSEAPQPPRKKRARADPTVESEEAFKNRMEVKVKIPEELKPWLVEDWDLVTRQKQLFQLP
AKKNVDAILEEYANCKKSQGNVDNKEYAVNEVVAGIKEYFNVMLGTQLLYKFERPQYAEILLAHDPAPMSQVYGA
PHLLRLFVRIGAMLAYTPLDEKSLALLLGYLHDFLKYLAKNSSASLFTASDYKVASAEYHRKAL

6764/6881
FIGURE 6248

TTGGTCTAAGACATGGGCTGACAACTTTTTCCATAAAGGGCCAGAAAGTAAATATTTTCAGGCTTTGTGGGATAT
CTATTTATGATTTATTTTACTCCTAGTATTATTTTCATCTTTTATACAGGTTATTAAGGTTAGTATTGCTGCATAA
CAAATTACTCCAAAATTTAATCATTATATTCAAGAAGAGTTCAGCTGCTAGGTTCTTATTTTGGGACTCTCATG
ATGCTGAGGTCAAGATGCCAGCTGGAGGCCAGGCGCCGAGCTCACGCCTGTAATCCCAGCGTTTTTGGGAGGCCA
GGGGCCTCCCAAATTCAAAAGGAAGAGACAAAGTCCACATCTGTCAATGCGAAGAATGGAAAGGTCACATATCAT
ATGTGGAGCGGGACATAACAACTTCGGAAATTAATCTCTTCCCCAGGTCAGTGTGCGGGCCTTCCACGCTGCCA
GCGGAACACTGGAATGGCGGAAGGGGAACGGGTACGGCAGGGGGAAAGGCTGGGGGTGGGGTCGGGTCGAGTCGA
GGGAAGCTGGCCCGAGTGTGGACAGAGATGGCGGTCTGCGCGTCTGTTGTTCCAGCGCTCTGCGAAGCCTGAAA
AGGAGGAGCAACCTGTCCAGAATCCCCGCAGGTCCGTGAAAGACAGGAAAAGGAGGGGAAATCTCGACATGGAAA
AACTCTACAGTGAAAATGAAGGAATGGCTTCAAACCAAGGAAAGATGGAAAATGAAGAACAGCCACAAGACGAGA
GAAAGCCAGAAGTAACCTGTACTCTGGAAGACAAGAAGTTAGAAAACGAGGGAAAGACAGAAAACAAGGGCAAAA
CAGGAGATGAGGAAAATGTTAAAGGATAAAGGAAAGCCAGAGAGTGAGGGAGAGGCAAAAGAAGGAAAGTCAGAGA
GGGAGGGAGAGTCAGAGATGGAGGGAGGATCAGAGAGAGAGGGGAAAACCAGAGATAGAGGGAAAGCCAGAGAGTG
AAGGAGAGCCAGGGAGTGAAACAAGGGCTGCAGGAAAGCGCCAGCTGAGGATGATGTACCCAGGAAAGCCAAAA
GAAAAACTAATAAGGGGCTGGCTCATTACCTCAAGGAGTATAAAGAGGCCATACATGATATGAATTTAGCAATG
AGGACATGATAAGAGAAATTTGACAATATGGCTAAGGTGCAGGATGAGAAGAGAAAAAGCAAACAGAAATTGGGGG
CGTTTTTGTGGATGCAAAGAAATTTACAGGACCCCTTCTACCCTAGAGGTCCAAGGGAATTCAGGGGTGGCTGCA
GGGCCCCACGAAGGGACATTGAAGACATTCCTTATGTGTAGTGTCCCTGGCAGGCATTTACCAGGCCATGTGCTT
TAACGTTACGGTAATACTTTACTTTAGGCATCCCTCCTGTTGCTAGCAGCCTTTTGACCTATCTGCAATGCAGTG
TTCTCAGTAGGAAATGTTTCATCTGTTACATGGAAAAATGTTGATGGTGCATTGTAAAATTAACCAACTT
GCAGAACCAAAAAAAA

6765/6881
FIGURE 6249

MPAGGQAPQLTPVIPAFWEARGLPNSKGRDKVHICQCEEWKGHISYVERDITTSEIKSLPQVSVRAFHAASGTLE
WRKGNGYGRGKGWGWGRVESREAGPSVDRDGGRLRVCCSQRSAPKEKEEQPVQNPRRSVKDRKRRGNLDMEKLYSE
NEGMASNQGKMENEEQPQDERKPEVTCTLEDKKLENEGKTENKGKTGDEEMLKDKGKPESEGEAKEGKSEREGES
EMEGGSEREGKPEIEGKPESEGEPPGSETRAAGKRPAEDDVPRKAKRKTNKGLAHLKEYKEAIDMNF SNEDMIR
EFDNMAKVQDEKRKSKQKLGAFLWMQRNLQDPFFYPRGPREFRGGCRAPRRDIEDIPYV

6766/6881
FIGURE 6250

GAAGTCCTGGTAATCTGGTCCTTGTTCCCGTCTGGATACCAGCTTCCTTCAGCAGCGCAGGCGGTGGTCCCTGAG
GCCCCGTGGAAGGAGTCAAACCTGCGGGAATTTTGCAGTTTATCTGCAGGGCTGTTGTTTCCAGCAAGACCCAAAG
CTAGAAAAGGAGGAGGAAGAACTGACCCGATCAGTGCCAGAAGTCATTGTATTCAAAGAAGAATAAGCAAGAAA
GAAAAGAAGGAAGGAAGAGAGGTAGACAGATACAAGATGAAATCCTGTCAAAAAATGGAAGGAAAACCAGAAAAT
GAGAGTGAACCAAAGCATGAGGAAGAGCCAAAGCCTGAGGAAAAGCCAGAAGAGGAGGAGAAGCTAGAGGAGGAG
GCCAAAGCAAAGGAACTTTTAGAGAAAGGCTGATTCAATCTCTCCAGGAGTTTAAAGAAGATATACACAACAGG
CATTTAAGCAATGAAGATATGTTTAGAGAAGTGGATGAAATAGATGAGATAAGGAGAGTCAGAAACAAACTTATA
GTGATGCGTTGGAAGGTAAATCGAAACCATCCTTACCCCTATTTAATGTAGTTTACCTTGATTTTTATCTGATAT
TAACAATACCATATAGCTTGCTTTTTATTAGCATTTCCTGATATTCCTTTGTCCATATTTCTACTTATAACCTGT
TGCTATTAATGGTTTTAGATGTATCTCTTGTTATCTGCATCTCATTGTTTATTGTATTTGAACCAATCTACAAG
TCTCTGTCTTTTAATAAAAGAACTTTACACATTTGTAAAAAGAGGTTCTTGGTAAGATATAAAATGGAAAAAGG
CTAAGTAATATGTGAATATCATATTTTTGAAAGGTAAAAAGTACATTTGTATATTACATATATGGACATAACTTG
TGAAGGATGAAAGAAAGTACAGCCTCTCGGTGGTGGGATTATGAATGATTTTCTCCTTTTGCTTGTTTGTATTT
TCTATATTCCTAAAATTAACACACATTATTATTGCTAGAATAATAAAAGTTTTAT

6767/6881
FIGURE 6251

CAGGATGACAGCTGGAGAATGGAGTCAGTTTTATCCAAGTATGAAGATCAGATTACTATTTTCACTGACTACCTA
GAAGAATATCCAGATACAGATGAGCTGGTATGGATCTTAGGGAAGCAGCATCTCCTTAAACAGAAAAATCTAAG
CTGTTGTCTGATATAAGTGCTCGTCTATGGTTTACATACAGAAGGAAATTTTCACCAATTGGTGGAACGGGCCCT
TCATCAGATGCTGGTTGGGGATGTATGCTACGCTGTGGACAGATGATGCTGGCTCAAGCCCTTATCTGTAGACAC
TTGGGAAGGGACTGGAGCTGGGAGAAACAAAAGAACAACCCAAAGAATACCAACGCATCCTACAGTGCTTCTTA
GATAGAAAAGATTGTTGCTACTCTATCCATCAAATGGCACAAATGGGTGTAGGAGAAGGGAAATCAATTGGAGAA
TGGTTTGGACCAAATACAGTTGCACAGGTGTTAAAAAACTTGCTTTATTTGACGAATGGAATTCCTTGGCTGTT
TATGTTTCAATGGATAACACAGTGGTCATTGAAGATATCAAAAAATGTGCCGTGTCCTTCCCTTGAGTGCTGAC
ACAGCTGGTGACAGGCCTCCCGATTCTTTAACTGCTTCAAACCAGAGTAAGGGCACCTCTGCCTACTGCACAGCC
TGGAAACCCCTGCTGCTCATTGTGCCCCCTTCGCCTGGGCATAAACCAAATCAATCCTGTCTATGTTGATGCATT
AAAGAGTGTTTTAAGATGCCACAGTCTTTAGGGGCATTAGGAGGAAAACCAAATAACGCGTATTATTTCATAGGA
TTCTTAGGTGACGAGCTCATCTTCTTGACCCTCATACAACCCAGACCTTTGTTGACACTGAAGAGAATGGAACG
GTTAATGACCAGACTTTCCATTGCCTGCAGTCCCCACAGCGAATGAACATCCTAAACCTGGATCCTTCAGTTGCA
TTGGGATTTTTCTGCAAAGAAGAAAAAGACTTTGATAACTGGTGTAGCCTTGTTGAGAAGGAAATCTAAAGGAG
AATTTAAGGATGTTTGAATTAGTTCAGAAACATCCATCACACTGGCCTCCCTTTGTACCTCCAGCCAAGCCAGAA
GTGACAACCACTGGGGCAGAATTCATTGACTCTACTGAGCAACTGGAGGAGTTTGATCTGGAGGAAGATTTTGAG
ATTCTGAGTGTGTAGAATCCTGGGAACCTCACTTGAAGGTCTG

6768/6881

FIGURE 6252

MESVLSKYEDQITIFTDYLEEYPDTDELVWILGKQHLLKTEKSKLLSDISARLWFTYRRKFSPIGGTGPSSDAGW
GCMLRCGQMMLAQALICRHLGRDWSWEKQKEQPKEYQRILQCFLDRKDCCYSIHQMAQMGVGEKSGIGEWFGPNT
VAQVLKKLALFDEWNSLAVYVSM DNTVVIEDIKKMCRVLP LSADTAGDRPPDSL TASNQSKGTSAYCTAWKPLLL
IVPLRLGINQINPVYVDAFKECFKMPQSLGALGGKPNNAYYFIGFLGDELIFLDPHTTQTFVDTEENGTVNDQTF
HCLQSPQRMNINLNDPSVALGFFCKEEKDFDNWCSLVQKEILKENLRMFELVQKHP SHWPPFVPPAKPEVTTTGA
EFIDSTEQLEEF DLEEDFEILSV

6769/6881
FIGURE 6253

CTTTCCTCTCCCAACATGGCGGCCTCAGCAAAAAAGAAGAATAAGAAGGGGAAGACTATCTCCCTAACAGACTT
TCTGGCTGAGGATGGGGGTACTGGTGGAGGAAGCACCTATGTTTCCAAACCAGTCAGCTGGGCTGATGAAACGAT
GACCTGGAAGGAGATGTTTCGACAACCTGGCACAGTAACAATGACGATGTGTATAGGGTGCCTCCAATTGACCGT
TCCATCCTTCCCACTGCTCCACGGGCTGCTCGGGAACCCAATATCGACCGGAGCCGTCTTCCCAAATCGCCACCC
TACACTGCTTTTCTAGGAAACCTACCCTATGATGTTACAGAAGAGTCAATTAAGGAATTCTTTGAGGATTAAAT
ATCAGTGCAGTGCGTTTACCACGTGAACCCAGCAATCCAGAGAGGTTGAAAGGTTTTGGTTATGCTGAATTTGAG
GACCTGGATTCCCTGCTCAGTGCCCTGAGTCTCAATGAAGAGTCTCTAGGTAACAGGAGAATTCGAGTGGATGTT
GCTGATCAAGCACAGGATAAAGACAGGGATGATCGTTCTTTTGGCCGTGATAGAAATCGGGATTCTGACAAAACA
GATACGGACTGGAGGGCTTGTCTGCTACAGACAGCTTTGATGACTAGAAGAGGTGATGATAGCTTTGGAGACAA
GTATGATTCCCGGATAGGCAGTGGCAGAAGAGCATTGCGCAGCGGGTATCGCAGGGATGATGACTACAGAGGAGG
CGGGGACCGCTATGAAGACTGATATGACAGACGGGATGA

6770/6881
FIGURE 6254

MAASAKKKKNGKGTISLTDFLAEDGGTGGGSTYVSKPVSWADETDDLEGDVSTTWHSNDDDVYRAPPIDRSILPT
APRAAREPNIDRSRLPKSPPYTAFLGNLPYDVTEESIKEFFRGLNISAVRLPREPSNPERLKGFYAEFEDLDSL
LSALSLNEESLSNRRIRVDVADQALDKDRDDPPFGRDRNRDSDKTDTDWRARPATDTFDDYPPRRGDDSFQDKL

6771/6881
FIGURE 6255

CTTTCCTCTCCCAACATGGCGGCCTCAGCAAAAAAGAAGAATAAGAAGGGGAAGACTATCTCCCTAACAGACTT
TCTGGCTGAGGATGGGGGTACTGGTGGAGGAAGCACCTATGTTTCCAAACCAGTCAGCTGGGCTGATGAAACGAT
GACCTGGAAGGAGATGTTTCGACAACCTGGCACAGTAACAATGACGATGTGTATAGGGTGCCTCCAATTGACCGT
TCCATCCTTCCCCTGCTCCACGGGCTGCTCGGGAACCCAATATCGACCGGAGCCGTCTTCCCAAATCGCCACCC
TACACTGCTTTTCTAGGAAACCTACCCTATGATGTTACAGAAGAGTCAATTAAGGAATTCTTTCGAGGATTAAAT
ATCAGTGCAGTGCGTTTACCACGTGAACCCAGCAATCCAGAGAGGTTGAAAGGTTTGGTTATGCTGAATTTGAG
GACCTGGATTCCCTGCTCAGTGCCCTGAGTCTCAATGAAGAGTCTCTAGGTAACAGGAGAATTCGAGTGGATGTT
GCTGATCAAGCACAGGATAAAGAGTATCGGGATCGTTATGATTTCAGACCGGTATCGGGATGGGTATCGGGATGGC
CCACGCCGGGATATGGATGGATATGGTGGCCGGGATCGCTATGATGACCAAGGCAGCAGAGACTATGATAGAGGC
TATGATTCCCGGATAGGCAGTGGCAGAAGAGCATTGTCAGCGGGTATCGCAGGGATGATGACTACAGAGGAGGC
GGGGACCGCTATGAAGACTGATATGACAGACGGGATGATCGGTCGTGGAGCTCCAGAGATGATTACTCTCGGGAT
GATTATAGGTGTGATGATAGACGTCCCCCCCCAAAGACCCAAACTGAATCTAAAGCCTTGGAGTACTCTTAAGCAA
GATGATTCCTCTGCTAGTACCTCCCAGTCCACTCGAGCTGCTTCTATCTTTGGAGGGGCAAAGCCTGTTG

6772/6881
FIGURE 6256

ATGGCGGCCTCAGCAAAAAAGAAGAATAAGAAGGGGAAGACTATCTCCCTAACAGACTTTCTGGCTGAGGATGGG
GGTACTGGTGGAGGAAGCACCTATGTTTCCAAACCAGTCAGCTGGGCTGATGAAACGATGACCTGGAAGGAGATG
TTTCGACAACTTGGCACAGTAACAATGACGATGTGTATAGGGTGCCTCCAATTGACCGTTCCATCCTTCCCACTG
CTCCACGGGCTGCTCGGGAACCCAATATCGACCGGAGCCGTCTTCCCAAATCGCCACCCTACACTGCTTTTCTAG
GAAACCTACCCTATGATGTTACAGAAGAGTCAATTAAGGAATTCTTTCGAGGATTAAATATCAGTGCAGTGC GTT
TACCACGTGAACCCAGCAATCCAGAGAGGTTGAAAGGTTTTGGTTATGCTGAATTTGAGGACCTGGATTCCCTGC
TCAGTGCCCTGAGTCTCAATGAAGAGTCTCTAGGTAACAGGAGAATTCGAGTGGATGTTGCTGATCAAGCACAGG
ATAAAGACAGGGATGATCGTTCTTTTGGCCGTGATAGAAATCGGGATTCTGACAAAACAGATACGGACTGGAGGG
CTTGTCCTGCTACAGACAGCTTTGATGACTAGAAGAGGTGATGATAGCTTTGGAGACAAGTATCGGGATCGTTAT
GATTGAGACCGGTATCGGGATGGGTATCGGGATGGCCCACGCCGGGATATGGATGGATATGGTGGCCGGGATCGC
TATGATGACCAAGGCAGCAGAGACTATGATAGAGGCTATGATTCCCGGATAGGCAGTGGCAGAAGAGCATTGTC
AGCGGGTATCGCAGGGATGATGACTACAGAGGAGGCGGGGACCGCTATGAAGACTGATATGACAGACGGGATGAT
CGGTGCTGGAGCTCCAGAGATGATTACTCTCGGGATGATTATAGGTGTGATGATAGACGTCCCCCCCCAAGACCC
AAACTGAATCTAAAGCCTTGGAGTACTCTTAAGCAAGATGATTCCCTCTGCTAGTACCTCCCACTCGAGCT
GCTTCTATCTTTGGAGGGGCAAAGCCTGTTGACACAGCTGCTAGAGAAAGAGAAGTAGAAGAACGGCTACAGAAG
GAACAAGAGAAGTTGCAGCGTCAGCTGAGTGAGCCAAAAGTAGAACGACGGCCTCGGGAGAGACACCCAAGCTGG
CGAAGTGAAGAAACTCAGGAACGGGAACGGTCAAGGACAGGAAGTGAGTCATCGCAGACTGGGACCTCCACCACA
TCTGGCAGAAATGCACGAAGGAGAGAGAGTAAGAAGTCTCTAGAAAATGAAACACTCAATAAGGAGGAAGATTGC
CACTCTCCAACCTTCTAAACCTCCCAAACCTGATCAGCCCCTAAAGGTAATGCCAGCCCCTCCACCAAAGGAGAAT
GCTTGGGTGAAGCGAAGTTCTAACCCTCCTGCTCGATCTCAGAGCTCAGACGCAGAGCAGCAATCCCCTACAAGT
GGTGGGGGAAAAGTAGCTCCAGCTCAACCATCTGAGGAAGGACCAGCAAGGCAAGATGAAAATAAAGTAGATGGG
ATGAATGTCCCAAAAGGCCAAACTGGGAACCTTAGCCGTGGTCCAGGAGACGGAGGGAACAAAGACCACTGGAAG
GAGTCAGATAGGAAAGATGGCAAAAAGGATCAAGACTCCAGATCTGCACCTGAGCCAAAGAAACCTGAGGAAAAT
CCAGCTTCCAAGTTTCAGTTCTGCAAGCAACTATGCTGCTCTCTTTGATGGTGAAGATGAAAATGAGGGAGAAGA
TTATGCCGAATAG

6773/6881
FIGURE 6257

AAAGTTGCTAGCTGGGGGCAGAGACGGCCACGCGGTTGCAGGAGTAAGAGATCCCTCTGTGGCGAATTGGCCAAC
GGCTCCTTTCAACCCTGCCTCGTTGGTGGCCACTGGAGAAGCGCGGGGGGCTCCCCCAGACAGCCGTGGGGACAA
GTIAGAGCCAGCACTTTACCCCGGGCCTTGCGTGTAGCTTCCCCTCCCCTACTCTCGGTGCCCTGGTGTCTGGAG
GGGGGTTGTGGGGGTGTGCCCCGCTTACATGGTCCACCACCCGGGCAACCCTCTGGGCTTGTGTTCCATCTCACT
CTTGCTTCTCTGTACTGTGGTCAAGGGGAACCACTGCATCATGTTCCCCTGGTATAGCTACCAGAGTCTCCTGGACTGG
CTCTATGGGGGCGTGGACCCAGTTTTGTCAGGCAATGGGGGCCCCGACTGTGCTGCCTTCCTCTCTTGGCAGCAG
CGGCTGCTGGAAAGTGTGGTGGTCTGACCCTGGCTCTGTTGGAGATCCTGGTGGCCCTGCGGCACATCCTGAGG
CAGACGAAGGAGGACGGTAGGGGTAGCCCTGGCAGCCAGCCAGAGCAGGTGACCCAGCGGCCAGAGGAAGGCAAG
GAGAGCCTGAGCAAGAATCTGCTCTTAGTAGCCCTGTGCTGACCTTCGGGGTGGAGGTGGGCTTTAAGTTCGCC
ACCAAGACCGTCATCTACCTGCTCAACCCCTGTACCTGGTACCATGATGCATCTCCCCTTTGAATTGGAGATT
TACTACATTACAGCATGTTATGCTCTACGTGGTACCCATCTACCTGCTTTGAAAGGAGGTGCTTACACTCCAGAG
CCCCTCAGCAGTTTCCGGTGGGCTCTTCTCTCAACTGGCCTCATGTTCTTTTATCACTTCAGCGTCTTGCAGATC
CTCGGCCTGGTCAACGAAGTGAATTTGAACAACATGCTGTGTCCGGCCATCTCAGACCCATTCTACGGCCCCCTGG
TATCGCATCTGGGCCTCGGGACACCAGACTCTCATGACCATGACCCACGGGAAGCTGGTCATCCTGTTCTCÀTAC
ATGGCTGGGCCCTTGTGTAATATCTGCTGGATTGTGCTCCGGCTTCCAGCCAAGAAAATAGACTGAAGGTGCTTA
TTTTTTTTTTTTTCTCCTGAGGAAGCAAGTCGTGACTTGACTTGGAGAACACCCAGTTCTTGATAAAATCATG
GGAGAGGGCAGTAGGATGTTTGGTGTATTTCTTTTTCTCCTTTCTGTCCCTTTCTTCTACCACTCTTCCTTTCC
CAGCTCTTCCCCCTACGATGTCTCCTTGAGCCTGGGGTGTAGTGTGCGGCTGGATTTTCTCCTTCCCTTTGG
CTCTCTCCTCAAACCTTCATCGCATTCATAGAAGCTGCTTGAGGGTGCCTGGGCTAACCAGGGTGATCGGCGAAC
TTTACCGTACAGTACCTCAGTCTAGCTGTGAGATCACCCCTTTTGCTGTAGCCTCTGTTGAGGTTTTTATATTG
TGATCATTGGTAATTCAGTGTCTATGAAGTGGGCACAGCTCCCCACAGAGAGCAAGTTGTCAGCAGGTCTCTGT
GCACTGGTATTGGGGCAGGGCAGTGCCCTGGGGGTAAAGCTAGGTGGCTCAGGGAGTGGCAGAAGGGCCATTTTTT
CCTCTGCCAAAAGACTTCCTTGGATTGTAGATGTGACCCAGAGTCTCTGTCCCTCCTGAAGAGGATTTTCT
TTACTGGTTTTCTACTGAAGGGGAGGTAGGGGAGGAGGAAAAAAGGACCATGTGTGATGCTGTTAGACAAGACACT
GACGCTGATTATGGAGGGTCTCCTGCAGGCCCTTGTGGGCTCCTTGGCAAGGCCCCAGGCTGGGAAGGAGCTCCC
CCCACTGCCCATCCTGCCCCGCTTTGTGGCGGGTAGAGTCAGTGACAGGGAGGCAGCCCTCCTTTTGTGTATATAG
AGTGAGCTGATTTGGGCTCAGGAAAACCTAGTCGCTTGTGCTCTCGTCTGTGACATTTTTGTACACTGGTTTGC
TACTCATGGCAAGAAACAGACAAAGCCCCATGAAAAATAAAACAAAACAAAAGTCATTTCAAACAAAGCTGTTGT
TTTGAAAACCTCTTGCTTTCTTTTGGTGTCCATTTTGTGTTCTATTTTAAAGAATCTTTTCAATTTATATTGGTGTA
TTGTAGTGAAGAGAATGTGATAGGCTGATCTGTAATGGTTTCTGTGAGGAGCTTAGCAAATGCCTCTGCCCCCTCT
TCCCCTACCCCTGTCTTCTCCTCAGTTCCCAGCTGGGATTGCTATGCACTGGGCAGACCCGTCAGTGTCTCCCCTG
AACCCCCACACAGTGGCTTCCCTTAGAACCAGTCTTTGTACTCTCCCTAAACAGCAGCAGGCTTAGGATTTTTGT
CAGGCTGGTTCTTGCGTGTCTGTGCCCCCACCAGTTTGCTCACCTCTTGGGGCATTTTGTAAATGTGTTTTCTCT
GTCTTGTAACCTTTTGAATTGTACCGAAATGGTATCTGCAGTCGCCTTTGGAAATAAATGGTCATTAATTTGTG
TACTTAGCATCTGAAAAAAAAAAAAAAAAAAAAA

6774/6881
FIGURE 6258

MSRYSYQSLLDWLYGGVDP SFAGNGGPDCAAFLSWQORLLESVVVLT LALLEILVALRHILRQTKEDGRGSPGSQ
PEQVTQRPEEGKESLSKNLLLVALCLTFGVEVGFKFATKTVIYLLNPCHLV TMMHLPFELEIYYIQHVMLYVVP I
YLLWKGGAYTPEPLSSFRWALLSTGLMFFYHFSVLQILGLVTEVNLNNMLCPAISDPFYGPWYRIWASGHQTLMT
MTHGKLVILFSY MAGPLCKYLLDLLRLPAKKID

6775/6881
FIGURE 6259

ATGCTGTATGAATTCCAAACTGTTGCTTCACACCCAATGTCAGGATACTCAACCATGATTGGAATCAATAAACTA
CAGGACTTCTTGCCACGTGCGCCTTCAAAACGGTAAGAGCTGCAACTGAACGTGTGAGACATGGTGCAGATAGG
CTGAGAGGCGGCGGGAGAGATGCCCATGAACTCAAGTACCCGGACACGCCCTCCACTTCTACCACCACGAGTAAC
ACCGCCCCACGGGACCGCTCTCGAGGTCCCCAAGCCAAGATCATGGCCGCCACCAGGCTCCCGAGCCGTGGCT
TCCTGTCCGGGAACGGCCCGGCGTCTGGCTGTCCAGCTAGTCCTGGCGCCTCTCTCTGGGGCTTCCACCGCCCG
ACCCGCGGCGGAGCCTGCTTCTCTCGGACCTCCAGAGACCTCGGATCCGTCCGAGCACCTGCCCTAGTCCTGCC
TGGTCCCCCAGGACAGTCCCAAGCCACTCCTCCCCAGGCGAGCACAGCGAAGGCACCGGCAAGGGGCTGGGGGAA
GAGCCACGCCAGCCTACGTACGCAGGAAGGGAGCCAGTGGCCACCCCAAACACACCTCTCCTCCTCACACCTG
GCCTACGTCCAACCTCCACGGCTCTACCCAGAAGGCTGCACGACTTCTTGCCACGTGCGCCTTCAAAACGGTA
AGAGCTGCAACTGAACGTGTGAGACATGGTGCAGATAGGCTGAGAGGCGGCGGGAGAGATGCCCATGAACTCAAG
TACCCGGACACGCCCTCCACTTCTACCACCACGAGTAACACCGCCCCCACGGGACCGCTCTCGAGGTCCCCAAG
CCAAGGCAGAGTCCGACGGGTCTTCTTCTGGGTGCCCCCGGCTTCCCGGACTCCAGCAGGCCTGGGAAGGCC
CGGGCCCCCTTAGCCGATGCCAGAGAGTCTCCATTTCTCAAGCTTTGCCACCGAACTCATCGGTGCGACGCAAG
GAGGAACGCCCCGGCGCCGGCCAGCAGCGGCGGGCACCGGCGCCAATGGCCACGGAACCTCAGCACTGGCAGTCGG
CCCTCCTCACACCGCAGGCGTGCAGTGTGGCCGACGGAGCCTCCCGGGCCGAGGACCCAGCTAGAGCCGTCACCC
CGGTTGCTCCACGGGAAGGGGCACCAGGCAAACCTGCCCAAGGCCCCGAGCCCAGGCTCCCTGGCGGAGGCCTCC
GCTGGTCCCCGCCAGATCATGGCCGCCACCAGGCTCCCGAGCCGTGGCTTCTGTCCGGGAACGGCCCGGCGTCC
TGGCTGTCCAGCTAG

6776/6881
FIGURE 6260

MPMNSSTRTRPPLLPPRVTPPPRDRSRGPPSQGRKEERPGAGQORRAPAPMATELSTGSRPSSHRRRAVWPTEPP
GPRTQLGRHFGCSHGKGHQANCPRPRAQAPWRRPFLAPEWLPVRERPVGLAVQLVLAPLSGASTARPRGGACFS
RTSRDLGSVRAPALVLPGPPGQSQATPPQASTAKAPARGWGKSPRQPTSRKRGASGHPKHTSPHTWPTSNPRL
YPEGCTTSCPRAPSKR

6777/6881
FIGURE 6261

ATGCCCCGCGGCCAACTTTCTTCCTTGGACCCACAAGGAGGAACGACCCGGGTGCCGGCAAGAAGCCGCGGGGAA
GCCCGCGCCATTGGCACACGGAATCTCGGCAATTGCCAATTCGGCCTACTTACAAACCGCAAGGCTTGCCATTTT
GGCCCAACGGAACCTTCCCGGCCCAAGAACCCAGCTTGGCCCTTAACCCCGTTTGCTTCCACGGGAAGGGGCAA
CCAAGCAAAATGCCCAAGGCCCGAGCCAGGGGTCCCTGCCGAAGGCCTCCGCTGGTCCCGCCAGATCATGG
GCGCCACCAGGCTCCCGAGCCGTGGCTTCCTGTCCGGGAACGGCCCGGCGTCCTGGCTGTCCAGCTAGTCCTGGC
GCCTCTCTCTGGGGCTTCCACCGCCCGACCCCGCGGCGGAGCCTGCTTCTCTCGGACCTCCAGAGACCTCGGATG
CGTCCGAGCACCTGCCCTAGTCCTGCCTGGTCCCCCAGGACAGTCCCAAGCCACTCCTCCCCAGGCGAGCACAGC
GAAGGCACCGGCAAGGGGCTGGGGGAAGAGCCCACGCCAGCCTACGTACGCAGGAAGGGAGCCAGTGGCCACCC
CAAACACACCTCTCCTCCTCACACCTGGCCTACGTCCAACCTCTCCACGGCTCTGCCCAGAAGGCTGCACGACTTC
TTGCCCACGTGCGCCTTCAAAACGGTAAGAGCTGCAACTGAACGTGTGAGACATGGTGCAGATAGGCTGAGAGGC
GGCGGGAGAGATGCCCATGAACTCAAGTACCCGGACACGCCCTCCACTTCTACCACCACGAGTAACACCGCCCCC
ACGGGACCGCTCTCGAGGTCCCCCAAGCCAAGGGCAAGGGCCTGCGCACCCCCAAAGACAAGCGGGGTCCCCGGA
AGGCCCCCAGGCAGAAATGAGCACCACGGGGAACGGCCCGCTCCAAGACAACCTCGGGGACATGGACACAACAA
GACAGGGTGGCAAGTCTCAACAAGGCGGGTGC GCGGCGTCTGAAGGCGTGCAGTGTGGCCGACGGAGCCTCCCGG
GCCGAGGACCCAGCTAGGCCGTACCCCGGTTGCTCCACGGGAAGGGGCACCAGGCAAACTGCCCCAAGGCCCCG
AGCCCAGGCTCCCTGGCGGAGGCCTCCGCTGGTCCCGCCAGATCATGGCCGCCACCAGGCTCCCGAGCCGTGGC
TTCTGTCCGGGAACGGCCCGGCGTCTGGCTGTCCAGCT**AG**

6778/6881
FIGURE 6262

MPRGQLSSLDPQGGTTRVPARSRREARAIGTRNLGNCQFGLLTNRKACHFGPTEPSRPKNPAWPLTPVCFHGKGQ
PSKMPKAPEPRGPCRRPPLVPPRSWAPPGSRAVASCPGTARRPGCPASPGASLWGFHRPTPRRSLLLSDLQRPRM
RPSTCPSPAWSVRTVPSHSSPGEHSEGTGKGLGEEPTPAYVTQEGSQWPPQTHLSSSHLAYVQLSTALPRRLHDF
LPTCAFKTVRAATERVRHGADRLRGGRDAHELKYPDTPSTSTTTSNTAPTGPLSRSPKPRARACAPPKTSGVPG
RPPGRNEHHGERPASKTTSGTWTQQDRVASLNKAGARRLKACSVADGASRAEDPARPSPRLLPREGAPGKLPKAP
SPGSLAEASAGPAQIMAAATRLPSRGFLSGNGPASWLSS

6779/6881
FIGURE 6263

CCCTCACCTCCCAGGAATGGGGAGGGGGCATCCTACCCCATATCTGAGGTGCGACTGCGGGACGTAGAGCGGACT
GGGCCTTTCCCGTTGGCGCGTGGCCTCAATCAGGACTTCTTGCCACGTGCGCCTTCAAACGGTAAGAGCTGCA
ACTGAACGTGTGAGACATGGTGCAGATAGGCTGAGAGGCGGCGGGAGAGATGCCCCATGAACTCAAGTACCCGGAC
ACGCCCTCCACTTCTACCACCACGAGTAACACCGCCCCACGGGACCGCTCTCGAGGTCCCCAAGCCAAGGACG
CAAGGAGGAACGCCCCGGCGCGCGGCCAGCAGCGGCGGGCACCGGCCCAATGGCCACGGAACCTCAGCACTGGCAG
TCGGCCCTCCTCACACCGCAGGCGTGCAGTGTGGCCGACGGAGCCTCCCGGGCCGAGGACCCAGCTAGGCCGTCA
CCCCGTTGCTCCACGGGAAGGGGCACCAGGCAAACTGCCCAAGGCCCGAGCCCAGGCTCCCTGGCGGAGGCC
TCCGCTGGACTTCTTGCCACGTGCGCCTTCAAACGGGCAAGGGCCTGCGCACCCCCAAAGACAAGCGGGGTCC
CCGGAAGGCCCCCAGGCAGAAATGAGCACCACGGGGAAACGGCCCCGCTCCAAGACAACCTCGGGGACATGGACAC
AACAAGACAGGGTGGCAAGTCTCAACAAGGCGGGCTGGCGTGGGCTCTTCCCCAGCCCCTTGCCGGTGCTGCCA
CGTGAGAAGGGCCCGGTGCCGTCCCGCTATTCCGGAATTGTGGGTTACCTGAAGTTTGAGGCCAAACCCCCA
GCGGTCAGTGGGACGCCAGTCGCCTTTGACCTCTTGGTCAAGCTGGCCTTGCCGTGA

6780/6881
FIGURE 6264

MPMNSSTRTRPPLLPPRVTPPPRDRSRGPPSQGRKEERPGARPAAGTGPMATELSTGSRPSSHRRRAVWPTEPP
GPRTQLGRHPGCSHGKGHQANCPRPRAQAPWRRPPLDFLPTCAFKTGKGLRTPKDKRGPRKAPRQK

6781/6881
FIGURE 6265

AGGGAGCGCACGACGTGCGCGCACCCCTCTGCCCTGGTCCATCGCTGCCGCCTCCTTCTTCTGCAGCTCCTGGTGC
TGCTTGTGTGCTCGTTTGGTGCGGACCTGGTACCTCTTTTGTGAAACGGCAGCTGAGGAGATTCCGGCGCTTGCC
ATGGCCGACGAAAAACCAAGGAAGGAGTCAAGACTGAGAACAACGATCATATTAATTTGAAGGTGGCGGGGCAG
GATGGTTCTGTGGTGCAGTTTAAGATTAAGAGGCATACACCACTTAGTAAACTAATGAAAGCCTATTGTGAACGA
CAGGGATTGTCAGTGAGGCAGATCAGATTCCGATTTCGACGGGCAACCAATCAATGAAACAGACACACCTGCACAG
TTGGAAATGGAGGATGAAGATACAATTGATGTGTTCCAACAGCAGACGGGAGGTGTCTACTGAAAAGGGAACCTG
CTTCTTTACTCCAGAACTCTGTTCTTTAAAGACCAAGATTACATTCTCAATTAGAAAAGTCAATTTGGTTCCAC
CACATCCTGACTACTACCGTATAGTTTTCTCTATTCTTTTCATTTCCCCCTTCCCTATTCTTTATTGTACATAAA
GTAAGTGGTATATGTACACAAGCATATTGCATTTTTTTTTAACTAAACAGCCAATGATATGTTTTGATTGACATCA
AGTGGAGATGGGATGGGGAAAAATACTGATTCTGTGAAAATACCCCCTTTCTCCATTAGTGGCATGCTCATTTCAG
CTCTTATCTTTATATTCCAGTAAGTTATTTTGCTCTCACTGTTTTAACAAAAACAACAACAACAACATAAAA
ATCCTTGCAATACCTTTTTTCAATTGGAGAATTTTAATGATTTTCATTTATCATTGTAAAACCAAGGACAATTTTAT
AACTTTTTTCGTACATAGCTGCTACATGTAGGGCAATCTGTCTTTAAGTAGGGATAAATTACTCTAAAACAAAAA
GAATCCTAGATACTTTTCCCTTCAAGTCAAGCGTCTTGTTTAAATAAACTGCTTGTTTAAATG

6782/6881
FIGURE 6266

MADEKPKEGVKTENNDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSVRQIRFRFDGQPINETDTPAQ
LEMEDEDIDVFQQQTGGVY

6783/6881

FIGURE 6267

GCGCACCTCTGCCCTGGTCCATCGCTGCCGCCTCCTTCTTCTGCAGCTCCTGGTGCTGCTTGTGTGCTCGTTTG
GTGCGGACCTGGTACCTCTTTTGTGAAACGGCAGCTGAGGAGATTCCGGCGCTTGCCATGGCCGACGAAAAACCC
AAGGAAGGAGTCAAGACTGAGAACAACGATCATATTAATTTGAAGGTGGCGGGGCAGGATGGTTCTGTGGTGCAG
TTTAAGATTAAGAGGCATACACCACTTAGTAACTAATGAAAGCCTATTGTGAACGACAGTGGAATGGAGGATG
AAGATACAATTGATGTGTTCACACAGCAGACGGGAGGTGTCTACTGAAAAGGGAACCTGCTTCTTTACTCCAGAA
CTCTGTTCTTTAAAGACCAAGATTACATTCTCAATTAGAAAACTGCAATTTGGTTCCACCACATCCTGACTACTA
CCGTATAGTTTTCTCTATTCTTTTCAATTTCCCCCTTCCCTATTCCCTTATTGTACATA

6784/6881
FIGURE 6268

CACAACAAACAGGCCACTGAGAATACAAAGGAGGAAGTGAAAACCTATGTGAGAAGATGGCCCAGTCTGATGCTAA
AAAGTTTGTGGAAAGCCAGCCTAAAAAGGACACACCACGGAAAGAGAAGCGTTCACGGGAAGAGAAGCAGAAGCC
CCAGGCTGAGCAGGAGGAGAAAAAGGCGGCTGCCCCCTACTCCTGAGGAGGAGATGGATGAATGTGAGCAGGCGCT
GGCCGCTGAGCCCAAGGCCAAGGACCCCTTTGCTCACCTGCCCAAGAGTACCTTTGTGTTGGATGAATTGAAGCT
CAAGTACTCCAATGAGACACACTCTCTGTGGCACTGCCATATTTCTGGGAGCACTTTGATAAGGACTGCTGGTCC
CTGTGGTACTCAGAGTGTCGCTTCCCTGAAGAATTCATCAGACCTTCATGAGCTGCAATCTCATCACTGGAATG
TTCCAGTGAAGTGGACAAGCTGAGGAAGAATGCCTTCGCCAGTGTATCCTCTTTGGAACCAACAATATCAGCTCC
ATTTCTGGAGTCTGGGTCTTCCGAGGCCAGGAGCTTGCCCTTCCACTGAGTCCAGATTGGCAGGTGGGCTATGAG
TCATACACATGGCAGAACTGGATCCTGGCAGCGAGGAGACCCAGATGCTGGTTCGAGAGTACTTTTCCTGGGAG
GG

6785/6881
FIGURE 6269

ATCTTTAAATGGATGAGATGGCTACCACTCAGATTTCCAAAGATGAGCTTGATGAACTCAAAGAGGCCTTTGCAA
AAGTTGATCTCAACAGCAACGGATTCATTTGTGACTATGAACTTCATGAGCTCTTCAAGGAAGCTAATATGCCAT
TACCAGGATATAAAGTGAGAGAAATTATTCAGAACTCATGCTGGATGGTGACAGGAATAAAGATGGGAAAATAA
GTTTTGACGAATTTGTTTTATATTTTCAAGAGGTAAAAAGTAGTGATATTGCCAAGACCTTCCGCAAAGCAATCA
ACAGGAAAGAAGGTATTTGTGCTCTGGGTGGAACCTTCAGAGTTGTCCAGCGAAGGAACACAGCATTCTTACTCAG
AGGAAGAAAAATATGCTTTTGTTAACTGGATAAAACAAAGCTTTGGAAAATGATCCTGATTGTAGACATGTTATAC
CAATGAACCCTAACACCGATGACCTGTTCAAAGCTGTTGGTGATGGAATTGTGCTTTGTAAAATGATTAACCTTT
CAGTTCCTGATACCATTGATGAAAGAGCAATCAACAAGAAGAACTTACACCCTTCATCATTCAGGAAAACCTTGA
ACTTGGCACTGAACTCTGCTTCTGCCATTGGGTGTCATGTTGTGAACATTGGTGCAGAAGATTTGAGGGCTGGGA
AACCTCATCTGGTTTTGGGACTGCTTTGGCAGATCATTAAAGATCGGTTTGTTCGCTGACATTGAATTAAGCAGGA
ATGAAGCCTTGGCTGCTTTACTCCGAGATGGTGAGACTTTGGAGGAACCTTATGAAATTGTCTCCAGAAGAGCTTC
TGCTTAGATGGGCAAACCTTCATTTGGAAAACCTCGGGCTGGCAAAAAATTAACAACCTTTAGTGCTGACATCAAGG
ATTCCAAAGCCTATTTCCATCTTCTCAATCAAATCGCACAAAAGGACAAAAGGAAGGTGAACCACGGATAGATA
TTAACATGTCAGGTTTCAATGAAACAGATGATTTGAAGAGAGCTGAGAGTATGCTTCAACAAGCAGATAAATTAG
GTTGCAGACAGTTTGTACCCCTGCTGATGTTGTGCTGAGTGGAAACCCCAAACCTCAACTTAGCTTTCTGTTGGCTAAC
TGTTTAATAAATACCCAGCACTAACTAAGCCAGAGAACCAGGATATTGACTGGACTCTATTAGAAGGAGAACTC
GTGAAGAAAGAACCTTCCGTAACCTGGATGAACCTCTCTGGTGTCAATCCTCACGTAAACCATCTCTATGCTGACC
TGCAAGATGCCCTGGTAATCTTACAGTTATATGAACGAATTAAAGTTCTGTTGACTGGAGTAAGGTAAATAAAC
CTCCATACCCGAAACTGGGAGCCAACATGAAAAAGCTAGAAAACCTGCAACTATGCTGTTGAATTAGGGAAGCATC
CTGCTAAATTCTCCCTGGTTGGCATTGGAGGGCAAGACCTGAATGATGGGAACCAAACCTGACTTTAGCTTTTAG
TCTGGCAGCTGATGAGAAGATATACCCCTCAATGTCCTGGAAGATCTTGGAGATGGTCAGAAAACCAATGACGACA
TCATTGTGAACTGGGTGAACAGAACGTTGAGTGAAGCTGGAAAATCAACTTCCATTAGAGTTTTAAGGACAAGA
CGATCAGCTCCAGTTTGGCAGTTGTGGATTTAATTGATGCCATCCAGCCAGGCTGTATAAACTATGACCTTGTGA
AGAGTGGCAATCTAACAGAAGATGACAAGCACAATAATGCCAAGTATGCAGTGTCAATGGCTAGAAGAATCGGAG
CCAGAGTGTATGCTCTCCCTGAAGACCTTGTGGAAAGTAAAGCCCCAAGATGGTCATGACTGTGTTTGCATGTTTGA
TGGGCAGGGGAATGAAGAGAGTGTAATAAACCATCTGAATAAAACAGCCATGCTCCCAGGTGCATGATTGCA
GGTCAGCTATTTCCAGGTGAAGTGCTTATGGCTTAAGGAACTCTTGGCCATTCAAAGGACTTTTCATTTTGATTA
ACAGGACTAGCTTATCATGAGAGCCCTCAGGGGAAAGGGTTTAAGAAAAACAACCTCCTCTTTCCCATAGTCAGAG
TTGAATTTGTGAGGCACGCCTGAAATGTGCTCATAGCCAAAACATTTTACTCTCTCCTCCTAGAAATGCTGCCCTT
GACATTTCCATTGCTGTATGTTATTTCTTGCTCTGTTATCTTTTGCCCTCTTAGAATGTCCCTCTCTTGGGACT
TGCTTAGATGATGGGATATGAATATTATTAGACAGTAATTTTGCTTTCCATCCAGTATGCTAGTTCTTATTCGAG
AACTATGGTCAGAGCGTATTTGGATATGAGTATCCTTTGCTTATCTTTGTAGTACTGAAAATTTGCCGAAGTAAC
TGGCTGTGCAGAATGTAATAGAAGCTTTTCTTATTCTTTTATTCTTAAGATCAGTATCTTTTACAGTATTCTTT
CTACATGATCCTTTTTTTGTACATTTAAGAATATTTTGATTATATTAAACAAGACTGCTGATTTTGCTACTTTTTT
TAAGGGGTCTTCAAGTAAGTAAACATACATCGTAGCTAGAAGAAAAATGTACCTTAAATTTGCATCTTCCCTCT
CATACCCAAGCTGTAAACAATTGAAATATTTTGCTTAAATCACTTGGTTCAATACATGCTTATTTGTTTTAAAA
CCTGTATCATCAAACCTCTCTCTCTAAATTTAAAAATGCTGTTGAATATGATACTTTTGAGGAGAGAGTGTGCTCAG
AACTTAGACGGGATTTGGTAGGCAAGTATGCTAAGTGTACAATATATTTTTTAATTTTACACCTGAAACAAAGA
AATGTGGTCACTAAAAATAAAAGTATATGTAGGAATTAATGTACTCTTGCTTTGTCAAGCTGTTTGCTATAGT
TTCCAAGGTATTATGTTACTCTAACTCTGAAAAGTGATGTAATCTGGTAGCAATGTAGTAGTTCAAATAAAGGCA
TTTACATAAT

6786/6881
FIGURE 6270A

TGCCAAGGCTCCAGCCCGGCCGGGCTCCGAGGCGAGAGGCTGCATGGAGTGGCCGGCGCGGCTCTGCGGGCTGTG
GGCGCTGCTGCTCTGCGCCGGCGGGCGGGGGCGGGGGCGCCGCGCCTACGGAACTCAGCCACCTGTGAC
AAATTTGAGTGTCTCTGTTGAAAACCTCTGCACAGTAATATGGACATGGAATCCACCCGAGGGAGCCAGCTCAAA
TTGTAGTCTATGGTATTTTAGTCATTTTGGCGACAAACAAGATAAGAAAATAGCTCCGGAACTCGTCGTTCAAT
AGAAGTACCCCTGAATGAGAGGATTTGTCTGCAAGTGGGGTCCCAGTGTAGCACCATGAGAGTGAGAAGCCTAG
CATTTTGGTTGAAAAATGCATCTCACCCCCAGAAGGTGATCCTGAGTCTGCTGTGACTGAGCTTCAATGCATTTG
GCACAACCTGAGCTACATGAAGTGTTCCTTGGCTCCCTGGAAGGAATACCAGTCCCGACACTAATACTACTCTCTA
CTATTGGCACAGAAGCCTGGAATAATTCATCAATGTGAAAACATCTTTAGAGAAGGCCAATACTTTGGTTGTTT
CTTTGATCTGACCAAAGTGAAGGATTCCAGTTTTGAACAACACAGTGTCCAAATAATGGTCAAGGATAATGCAGG
AAAAATTAAACCATCCTTCAATATAGTGCCTTTAACTTCCCGTGTGAAACCTGATCCTCCACATATTAATAACCT
CTCCTTCCACAATGATGACCTATATGTGCAATGGGAGAATCCACAGAATTTTATTAGCAGATGCCTATTTTATGA
AGTAGAAGTCAATAACAGCCAACTGAGACACATAATGTTTTCTACGTCCAAGAGGCTAAATGTGAGAATCCAGA
ATTTGAGAGAAATGTGGAGAATACATCTTGTTCATGGTCCCTGGTGTCTTCTGATACTTTGAACACAGTCAG
AATAAGAGTCAAAACAAATAAGTTATGCTATGAGGATGACAACTCTGGAGTAATTGGAGCCAAGAAATGAGTAT
AGGTAAGAAGCGCAATTCCACACTCTACATAACCATGTTACTCATTGTTCCAGTCATCGTCGAGGTGCAATCAT
AGTACTCCTGCTTTACCTAAAAAGGCTCAAGATTATTATATTCCTCCAATTCCTGATCCTGGCAAGATTTTTAA
AGAAATGTTTGGAGACCAGAATGATGATACTCTGCACTGGAAGAAGTACGACATCTATGAGAAGCAAACCAAGGA
GGAAACCGACTCTGTAGTGCTGATAGAAAACCTGAAGAAAGCCTCTCAGTGATGAGAGATAATTTATTTTACCTT
CACTGTGACCTTGAGAAGATTCTTCCCATCTCCATTTGTTATCTGGGAACCTATTAAATGGAACTGAACTAC
TGCACCATTTAAAAACAGGCAGCTCATAAGAGCCACAGGTCTTTATGTTGAGTCGCGCACCGAAAACTAAAAAT
AATGGGCGCTTTGGAGAAGAGTGTGGAGTCATTCTCATTGAATTATAAAAGCCAGCAGGCTTCAAACTAGGGGAC
AAAGCAAAAAGTGATGATAGTGGTGGAGTTAATCTTATCAAGAGTTGTGACAACCTTCTGAGGGATCTATACTTG
CTTTGTGTTCTTTGTGTCAACATGAACAAATTTTATTTGTAGGGGAACCTCATTGAGGGTGCAATGCTAATGTCA
AACTTGAGTCACAAAGAACATGTAGAAAACAAATGGATAAAATCTGATATGTATTGTTTGGGATCCTATTGAAC
CATGTTTGTGGCTATTAAAACTCTTTTAAACAGTCTGGGCTGGGTCCGGTGGCTCACGCCTGTAATCCCAGCAATT
TGGGAGTCCGAGGCGGGCGGATCACTCGAGGTCAGGAGTTCCAGACCAGCCTGACCAAAATGGTGAAACCTCCTC
TCTACTAAAACTACAAAAATTAACCTGGGTGTGGTGGCGCGTGCCTGTAATCCCAGCTACTCGGGAAGCTGAGGCA
GGTGAATTGTTTGAACCTGGGAGGTGGAGGTTGCAGTGAGCAGAGATCACACCACTGCACTCTAGCCTGGGTGAC
AGAGCAAGACTCTGTCTAAAAAACAAAAACAAACAAACAAACAAACAAACAAACCTCTTAATATTCTGGAGTCATCA
TTCCCTTCGACAGCATTTTCTCTGCTTTGAAAGCCCCAGAAATCAGTGTGGCCATGATGACAACTACAGAAAA
ACCAGAGGCAGCTTCTTTGCCAAGACCTTTCAAAGCCATTTTAGGCTGTTAGGGGCAGTGGAGGTAGAATGACTC
CTTGGGTATTAGAGTTTCAACCATGAAGTCTCTAACAATGTATTTTCTTACCTCTGCTACTCAAGTAGCATTTA
CTGTGCTTTTGGTTTGTGCTAGGCCCCGGGTGTGAAGCACAGACCCCTTCCAGGGGTTTACAGTCTATTTGAGA
CTCCTCAGTTCTTGCCACTTTTTTTTTTAATCTCCACCAGTCATTTTTCAGACCTTTTAACTCCTCAATTCCAAC
ACTGATTTCCCTTTTTGCATTCTCCCTCCTTCCCTTCCCTGTAGCCTTTTGACTTTTCATTGGAAATTAGGATGTA
AATCTGCTCAGGAGACCTGGAGGAGCAGAGGATAATTAGCATCTCAGGTTAAGTGTGAGTAATCTGAGAAACAAT
GACTAATTCTTGCAATTTTTGTAACCTCCATGTGAGGGTTTTTCAGCATTGATATTTGTGCATTTTCTAAACAGAG
ATGAGGTGGTATCTTACGTAGAACATTGGTATTCGCTTGAGAAAAAAGAATAGTTGAACCTATTTCTCTTTCT
TTACAAGATGGGTCCAGGATTCCTCTTTTCTCTGCCATAAATGATTAATTAAATAGCTTTTGTGTCTTACATTGG
TAGCCAGCCAGCCAAGGCTCTGTTTATGCTTTTGGGGGGCATATATTGGGTTCATTCTCACCTATCCACACAAC
ATATCCGTATATATCCCTCTACTCTTACTTCCCCCAAATTTAAAGAAGTATGGGAAATGAGAGGCATTTCCCCC
ACCCCATTTCTCTCTCACACACAGACTCATATTACTGGTAGGAACTTGAGAACTTTATTTCCAAGTTGTTCAAA
CATTTACCAATCATATTAATACAATGATGCTATTTGCAATTCCTGCTCCTAGGGGAGGGGAGATAAGAAACCTC
ACTCTCTACAGGTTTGGGTACAAGTGGCAACCTGCTTCCATGGCCGTGTAGAAGCATGGTGCCCTGGCTTCTCTG
AGGAAGCTGGGGTTCATGACAATGGCAGATGTAAAGTTATTCTTGAAGTCAGATTGAGGCTGGGAGACAGCCGTA
GTAGATGTTCTACTTTGTTCTGCTGTTCTCTAGAAAGAATATTTGGTTTTCTGTATAGGAATGAGATTAATTCC
TTTCAGGTATTTTATAATTCTGGGAAGCAAAACCCATGCCTCCCCCTAGCCATTTTACTGTTATCCTATTTAG
ATGGCCATGAAGAGGATGCTGTGAAATTCCCAACAAACATTGATGCTGACAGTCATGCAGTCTGGGAGTGGGGAA

6787/6881
FIGURE 6270B

GTGATCTTTTGTTCCTCCTCTTTTAGCAGTAAAATAGCTGAGGGAAAAGGGAGGGAAAAGGAAGTTATGG
GAATACCTGTGGTGGTTGTGATCCCTAGGTCTTGGGAGCTCTTGGAGGTGTCTGTATCAGTGGATTTCCCATCCC
CTGTGGGAAATTAGTAGGCTCATTACTGTTTTAGGTCTAGCCTATGTGGATTTTTTCCTAACATACCTAAGCAA
ACCCAGTGTGAGGATGGTAATTCTTATTCTTTTCGTTTCAGTTAAGTTTTCCCTTCATCTGGGCACTGAAGGGATA
TGTGAAACAATGTTAACATTTTTGGTAGTCTTCAACCAGGGATTGTTTCTGTTTAACTTCTTATAGGAAAGCTTG
AGTAAAATAAATATTGTCTTTTTGTATGTCAAGCGGGCCGCCACCGCGGTGGAAACTCCAGCTT

6788/6881
FIGURE 6271

MEWPARLCGLWALLLCAGGGGGGGAAPTETQPPVTNLSVSVENLCTVIWTWNPPEGASSNCSLWYFSHFGDKQD
KKIAPETRRSIEVPLNERICLQVGSQCSTNESEKPSILVEKCISPPEGDPESAVTELQCIWHNLSYMKCSWLPGR
NTSPDTNYTLYYWHRSLLEKIHQCENIFREGQYFGCSFDLTKVKDSSFEQHSVQIMVKDNAGKIKPSFNIVPLTSR
VKPDPPHIKNLSFHNDDLYVQWENPQNFISRCLFYEEVNNSQTETHNVFYVQEAKCENPEFERNVENTSCFMVP
GVLPTLNTVRIRVKTNKLCEYEDDKLWSNWSQEMSIGKKRNSTLYITMLLIVPVIVAGAIIVLLLYLKRLKIIIF
PPIPDPGKIFKEMFGDQNDLTLHWKKYDIYEKQTKETDSVVLIENTLKKASQ

6789/6881
FIGURE 6272

GACCCACGCGTCCGGGGAGGAGAAAGTGGCGAGTTCCGGATCCCTGCCTAGCGCGGCCCAACCTTTACTCCAGAG
ATC**ATGG**CTGCCGAGGATGTGGTGGCGACTGGCGCCGACCCAAGCGATCTGGAGAGCGGCGGGCTGCTGCATGAG
ATTTTCACGTCGCCGCTCAACCTGCTGCTGCTTGGCCTCTGCATCTTCCTGCTCTACAAGATCGTGC GCGGGGAC
CAGCCGGCGGCCAGCGGCGACAGCGACGACGAGCCGCCCCCTCTGCCCGCCTCAAGCGGCGCGACTTCACC
CCCGCCGAGCTGCGGCGCTTCGACGGCGTCCAGGACCCGCGCATACTCATGGCCATCAACGGCAAGGTGTTTCGAT
GTGACCAAAGGCCGCAAATTTCTACGGGCCCCGAGGGGCCGTATGGGGTCTTTGCTGGAAGAGATGCATCCAGGGGC
CTTGCCACATTTTGCCTGGATAAGGAAGCACTGAAGGATGAGTACGATGACCTTTCTGACCTCACTGCTGCCAG
CAGGAGACTCTGAGTGA CTGGGAGTCTCAGTTCACTTTCAAGTATCATCACGTGGGCAAAC TGTGAAGGAGGGG
GAGGAGCCCACTGTGTACTCAGATGAGGAAGAACC AAAAGATGAGAGTGCCCGGAAAAATGAT**TAA**AGCATT CAG
TGGAAGTATATCTATTTTGTATTTTGCAAAATCATTTGTAACAGTCCACTCTGTCTTTAAACATAGTGATTAC
AATATTTAGAAAGTTT TGAGCACTTGCTATAAGTTTTTTAATTAACATCACTAGTGACACTAATAAAATTA ACTT
CTTAGAATGCATGATGTGTTTGTGTGT CACAAATCCAGAAAGTGA ACTGCAGTGCTGTAATACACATGTTAATAC
TGTTTTTCTTCTATCTGTAGTTAGTACAGGATGAATTTAAATGTGTTTTTCTGAGAGACAAGGAAGACTTGGGT
ATTTCCCAAAACAGGTAAAAATCTTAAATGTGCACCAAGAGCAAAGGATCAACTTTTAGTCATGATGTTCTGTAA
AGACAACAAATCCCTTTTTTTTTTCTCAATTGACTTAACTGCATGATTTCTGTTTTATCTACCTCTAAAGCAAATC
TGCAGTGTTCCAAAGACTTTGGTATGGATTAAGCGCTGTCCAGTAACAAAATGAAATCTCAAAACAGAGCTCAGC
TGCAAAAAGCATATTTTCTGTGTTTCTGGACTGCAC TGTGTCTTGGCCTCACATAGACACTCAGACACCCTC
ACAAACACAGTAGTCTATAGTTAGGATTAAATAGGATCTGAACATTCAAAGAAAGCTTTGGAAAAAAGAGCT
GGCTGGCCTAAAAACCTAAATATATGATGAAGATTGTAGGACTGTCTTCCCAAGCCCCATGTT CATGGTGGGGCA
ATGGTTATTTGGTTATTTTACTCAATTGGTTACTCTCATTTGAAATGAGGGAGGGACATACAGAATAGGAACAGG
TGTTTGCTCTCCTAAGAGCCTTCATGCACACCCCTGAACCACGAGGAAACAGTACAGTCGCTAGTCAAGTGGTTT
TTAAAGTAAAGTATATTCATAAGGTAACAGTTATTCTGTTGTTATAAACTATAACCACTGCAAAAGTAGTAGTC
AAGTGTCTAGGTCTTTGATATTGCTCTTTTGGTTAACACTAAGCTTAAGTAGACTATA CAGTTGTATGAATTTGT
AAAAGTATATGAACACCTAGTGAGATTTCAAAC TTGTAATTGTGGTTAAATAGTCATTGTATTTTCTTGTGA ACT
GTGTTTTATGATTTTACCTCAAATCAGAAAACAAAATGATGTGCTTTGGT CAGTTAATAAAAATGGTTTTACCCA
CTAAAAA

6790/6881
FIGURE 6273

MAAEDVVATGADPSDLESGLLHEIFTSPINLLLLGLCIFLLYKIVRGDQPAASGDSDDDEPPPLPRLKRRDFTP
AELRRFDGVQDPRILMAINGKVFDVTKGRKFYGPYGVFAGRDASRGLATFCLDKEALKDEYDDLSDLTAAQQ
ETLSDWESQFTFKYHHVGKLLKEGEEPTVYSDEEPPKDESARKND

6791/6881
FIGURE 6274

CCGCAGCGCCGGAGTCAAAGCCGGTTCCCGGCCAGTCCCGTCCTGCAGCAGTCTGCCTCCTCTTTCAACATGAC
AGATGCCGCTGTGTCCTTCGCCAAGGACTTCCTGGCAGGTGGAGTGGCCGCAGCCATCTCCAAGACGGCGGTAGC
GCCCATCGAGCGGGTCAAGCTGCTGCTGCAGGTGCAGCATGCCAGCAAGCAGATCACTGCAGATAAGCAATACAA
AGGCATTATAGACTGCGTGGTCCGTATTCCCAAGGAGCAGGGAGTTCTGTCTTCTGGCGCGGTAACCTGGCCAA
TGTATCAGATACTTCCCCACCCAGGCTCTTAACCTTCGCCTTCAAAGATAAATACAAGCAGATCTTCCTGGGTGG
TGTGGACAAGAGAACCCAGTTTTTGGCTCTACTTTGCAGGGAATCTGGCATCGGGTGGTGCCGCAGGGGCCACATC
CCTGTGTTTTGTGTACCCTCTTGATTTTGCCCGTACCCGTCTAGCAGCTGATGTGGGTAAAGCTGGAGCTGAAAG
GGAATTCGAGGCCTCGGTGACTGCCTGGTTAAGATCTACAAATCTGATGGGATTAAGGGCCTGTACCAAGGCTT
TAACGTGTCTGTGCAGGGTATTATCATCTACCGAGCCGCCTACTTCGGTATCTATGACACTGCAAAGGGAATGCT
TCCGGATCCCAAGAACAACACTCACATCGTCATCAGCTGGATGATCGCACAGACTGTCACTGCTGTTGCCGGGTGAC
TTCCTATCCATTTGACACTGTTGCGCGCCGCATGATGATGCAGTCAGGGCGCAAAGGAAGTACATCATGTACAC
AGGCACGCTTGACTGCTGGCGGAAGATTGCTCGTGATGAAGGAGGCAAAGCTTTTTTCAAGGGTGCATGGTCCAA
TGTTCTCAGAGGCATGGGTGGTGCTTTTGTGCTTGTCTTGTATGATGAAATCAAGAAGTACACATAAGTTATTT
CTAGGATTTTTCCCCCTGTGAACAGGCATGTTGTATTATATAACATATCTTGAGCATTCTTGACAGACTCCTGGC
TGTCAGTTTTCTCAGTGGCAACTATTTACTGGTTGAAAATGGGAAGCAATAATATTCATCTGACCAGTTTTCTCTT
AAAGCCATTTCCATGATGATGATGATGGGACTCAATTGTATTTTTTATTTTCAGTCACTCCTGATAAATAACAAAT
TTGGAGAAATAAAAAATATCTAAAAAT

6792/6881
FIGURE 6275

GCGACCCTCTTCTTGGCGTAGAGTTTTTCAGATTGCTCTTGGGAATCATGCCGAAAGTAGTGTCTCGGTCTAGTAGT
CTGCTCTGACACTCGGGACCGGGAGGAATATGACGACGGCGAGAAAGCCCCCTCCATGTTTACTACTGTTTGTGCGG
CCAGATGGTCCTAGTGTGGACTGCCAGTTAGAGAAATTGCCCATGAGGCCCGGGACCGGTCCCCTGTGATTGA
TGCTGCCAAACATGCCCATAGTTTTGTAAACACAGAAGATGAGGAGACTATGTATCTGCGGAGACCTGAAGGCAT
TGAACGACAGTACAGGAAGAAATGTGCAAAGTGTGGACTGCCGCTCTTCTACCAATCCCAGCCAAAGAATGCTCC
TGTTACCTTCATTGTGGATGGAGCAGTAGTCAAGTTTGGCCAGGGCTTTGGGAAAACGAACATATATACTCAGAA
ACAAGAGCCTCCTAAGAAGGTGATGATGACCAAACGGACCAAAGACATGGGCAAGTTCAGTTCTGTACCGTGTCTC
TACCATTGATGAAGAGGAAGAGGAGATTGAGGCTAGGGAAGTTGCTGACTCATATGCACAGAATGCCAAAGTGAT
TGAAAAACAGCTGGAGCGCAAAGGCATGAGCAAGAGGCGACTGCAAGAGCTGGCTGAATTGGAAGCCAAGAAAGC
GAAAAATGAAGGGGACCTTGATTGACAACCAGTTCAAATAACCAGGCCTTTTTCTAAGCCCTAGACTAGAGGCAAG
CATTTAGATCAGGAGGCAAAGTAATTTCTTGATTACATAGACGGATTCTATTTATGCCCTAGCAGAAGGCTTTA
CGTTGTTTTCCCATTGATTCTCTACATTGAGGTCTTTAACTGAGTCCATTTAACTTGCTTTCTTTTTTTTTT
TTTTTTTTTTTTTGAGATAAAGTCTTGCTCTTTTCGCCAGGATGGAGTGCAGTGGTGCATCTCGGCTCACTGCAAC
CTCCGCTCCCGGGTTCAAGCAGTTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGCATGTGCCACCAC
GCCTGGGCAACATGGTGAAACCCTGTCTCTACTAAAATACAAAAGAAATTAGCCAGGTGTGGCGGCATACCCCTG
TAGTCACGGCTACTTGGGAGGCAGAGGCAGGAGAATTGCTTGAACCTCGGGAGGTGGAGGTTGCAGTGAGCTGAGA
TTGCACCACTGTACTCCAGCACTCCAGCCTGGGCGACAGAGTGAGACTCTGTCTCTACAAAAAAAAAAAAAAAAA
AAAGTAACCCAAGGGAGGGAGCTACCCTCTAGTCGGGCAGCTGATACTGCTTCCTTGATGGATACATGGGAGGG
AGACGTTATAGATTAAGAAATGATAGCAAGATAAACAAAATGATTTGTTGGGTATCTTTTACTTTACATTTGTTA
TTTGCAGAGGAGTGTTGTATATATAGATGTTATTTTATGTACACTGCTTCAATGATACCTATATCCATGTGTTT
GTATCCATGTTTTTATCCATTCAACTGTATTAAAAGGTGTTGGGACAGG

6793/6881
FIGURE 6276

GAAGAACTGGAAGTGGGCTGGCCATAGGGGGAAGCGGCGCTTAAATCCGCCCCCTCTCCATACCCCTACTTTCAA
GGGGTGGGCGGTAGAGGGGAGGTTGGGGTTGGAGCAGCGGCGAGGGGGCCCCCTCCCTTGACCTCCCCCACC
ACTTGGTCGCGCCCGAAGTGTAACACTTTCTCTTTGTGCGAGGAGCTCCTCTGTTTCCTGTGCAGTAGCTCCCGT
TGCGGCGGCACCCGTGGCAGCCCTGGCGGACGCAGGAGCGATGGCAGCGACCGATATAGCTCGCCAGGTGGGTGA
AGGTTGCCGAAGTGTCCCCCTGGCTGGACATGTGGGGTTTGACAGCTTGCCTGACCAGCTGGTGAATAAGTCCGT
CAGCCAGGGCTTCTGCTTCAACATCCTGTGCGTGGGAGAGACAGGTTTGGGCAAGTCCACCCTCATGGACACCCT
GTTCAACACCAAATTCGAAGGGGAGCCAGCCACCCACACACAGCCGGGTGTCCAGCTCCAGTCTAATACCTATGA
CCTCCAAGAGAGCAACGTGAGGCTAAAGCTCACGATCGTTAGCACAGTTGGCTTTGGGGACCAGATCAACAAAGA
GGACAGCTACAAGCCTATCGTGGAATTCATCGATGCACAATTCGAGGCCTACCTGCAGGAAGAGCTAAAGATCCG
AAGAGTGCTACACACCTACCATGACTCCCGAATCCATGTCTGCTTGTATTTTCATTGCCCCCAGGGTCATTCCCT
GAAGTCTCTGGACCTAGTGACTATGAAGAAGCTGGACAGTAAGGTGAACATCATCCCCATCATTGCCAAAGCAGA
TGCCATTTTGAAGAGTGAGCTAACAAAGTTCAAATCAAATCACCAGCGAGCTTGTGAGCAACGGAGTCCAGAT
CTATCAGTTTCTACAGATGATGAGTCGGTGGCAGAGATCAATGGAACCATGAACGCCCCACCTGCCGTTTGTGT
CATTGGCAGCACAGAAGAACTGAAGATAGGCAACAAGATGATGAGGGCGCGGCAGTATCCTTGGGGCACTGTGCA
GGTTGAAAACGAGGCCCCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTGCGGTCAACATGGAGGATCTGCG
GGAGCAGACCCACACCCGGCCTATGAGCTGTATCGCCGCTGTAAGCTGGAGGAGATGGGCTTCAAGGACACCGA
CCCTGACAGCAAACCCCTTCACTTTACAGGAGACATATGAGGCCAAAAGGAACGAGTTCCCTAGGGGAAGTCCAGAA
AAAAGAAGAGGAGATGAGACAGATGTTCTGTCAGCGAGTCAAAGAGAAAGAAGCGGAGCTCAAAGAGGCAGAGAA
AGAGCTGCACGAGAAGTTTGACCGTCTGAAGAACTGCACCAGGACGAGAAGAAGAAACTGGAGGATAAGAAGAA
ATCCCTGGATGATGAAGTGAATGCTTTCAAGCAAAGAAAGACGGCGGCTGAGCTGCTCCAGTCCAGGGCTCCCA
GGCTGGAGGCTCACAGACTCTGAAGAGAGACAAAGAGAAGAAAAATAATCCATGGCTGTGTACTGAATAGTATTC
CCCCTACAGCTGGACTGGACTCCATTTAGCCTTTTAAGCCGAGGTTCCCTATTTTAACTGACAGCTTTCCTTTGG
GGTGCCAGGCAGCGAGGCCCCCACCCTATCCTGCCATGTACTTCAAGCTCACTTCTTCTTTTGAAGTATTGAGA
ACTTGCTCCTGCCTCCCAGCCCCACTGGCACTGACCATGACCACCTACTTCTATTTTTTTTTTAGAGTTCTTTT
TTTGATCACTTACTTTCAAAGCACACAGTCAAACAAGGTTATGCCAAATTTCCAGGCCTTTTGAAGTATTGAGA
AGGGGAAGGGGATTTCTCACTTCAATTATAGATCATAATAGGAAGCAAAAAGAAAAAATGAAAAGCAAACATAT
GCACGCACTTTTCTTGTGACAAAGCAAGATGTAGTTTGTGTGTAGGTTTGGTGCTCTATTGATTGGTGAGT
GACCAGAGCAAGTATGAAGGTGATGCTGCCAAAGCACAAGCCAGTTTCTTGGGAAAATTCAAGTTACAGTGGAGT
ATTTTTTTGAAGACCATATGCTTGGAGGTAGAAACAAACCAACGACCAAAAAAAAAAAAAAAAAAATCTGCTC
AGATACTCAGCCAGTAGCTCAGAGAGATGCTGAGTTAGGCCTGTCAGGTCTCCTTGGGAAAGGCTTCATATTTGC
AACTTTGATGATTCTATGTCCAGCTTCAGAGCTGCTTTCCAGAAATTCACGCTTAAACAACCAACCGGTAACCA
CCACTTCCCCACACCGCCGCTGGTAATTATTGCAATTACAAACCGGAGGCGCCCTCATTTGCATTTGTGTACAG
ATTAAGTATTAAGGCTTGAGAAGCTCTGAATAATCAAAGTATTAGACCCACACAGCCTTGGAGAGACCTTCA
GAACTAAGGAGGAGTTTTATATTAAGGGAGACATTTAGTCAGTAAGACGATATAACCTACTTACTCCGTAAGG
GGAAATGAAGGCCCGGAGAAGGGAAGGACTTGACCGAGGTCCCACTTCTGTTTCGAGGCAGAAGCCAGACTAAT
TTTCATGCCTCCTGACTCCCAATCAGTTTCACAAAGGGATTCAATCTGTTTATATACGTTACATTCTGG

6794/6881
FIGURE 6277

MAATDIARQVGEGRCTVPLAGHVGFDSLDPDQLVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKFEGEPATHT
QPGVQLQSNTYDLQESNVRLKLTIVSTVGFGDQINKEDSYKPIVEFIDAQFEAYLQEELKIRRVLHTYHDSRIHV
CLYFIAPTGHSLKSLDLVTMKKLDSKVNIIPITAKADAIKSELTKFKIKITSELVSNGVQIYQFPTDDESVAEI
NGTMNAHLPPFAVIGSTEELKIGNKMMRARQYPWGTVQVENEAHCDFVKLREMLIRVNMEDLREQTHTRHYELYRR
CKLEEMGFKDTDPDSKPFSLQETYEAKRNEFLGELQKKEEEMRQMFVQRVKEKEAELKEAEKELHEKFDRLKKLH
QDEKKKLEDKKKSLDDEVNAFKQRKTAAELLQSQGSQAGGSQTLKRDKEKKNPWLCTE

6795/6881

FIGURE 6278

CTTCCGCCAGCTTCCCTCCTCTTCCTTTCTCCGCCATCGTGGTGTGTTCTTGACTCCGCTGCTCGCCATGTCTTC
TCACAAGACTTTTCAGGATTAAGCGATTCTTGGCCAAGAAACAAAAGCAAATCGTCCCATTCCCCAGTGGATTTCG
GATGAAAAC TGGAATAAAATCAGGTACAAC TCCAAAAGGAGACATTGGAGAAGAACCAAGCTGGGTCTA TAAGG
AATTGCACATGAGATGGCACACATATTTATGCTGTCTGAAGGTCACGATCATGTTACCATATCAAGCTGAAAATG
TCACCACTATCTGGAGATTTCGACGTGTTTTCTCTCTGAATCTGTTATGAACACGTTGGTTGGCTGGATTCAGT
AATAAATATGTAAGGCCTTTCTTTTT

6796/6881
FIGURE 6279

MSSHKTFRIKRFLAKKQKQNRPIQWIRMKTGNKIRYNSKRRHWRRTKLGL

6797/6881

FIGURE 6280

AGATTCCGTCGCTTCTTCCGGAGCCGTACGTGGCACCGCCCCGCTCGCGGGCGGCCGCGGGGCTTGCTGGGAAGA
GAGGCGAAGCCAGGTCACCTTTCAAGGACCCAGAAGTAGGGTTTTGGCCTAGGTAACGGGGCAGAGATGTGGTTC
GAGATTCTCCCCGGA CTCTCCGTCATGGGCGTGTGCTTGTTGATTCCAGGACTGGCTACTGCGTACATCCACAGG
TTC ACTAACGGGGGCAAGGAAAAAAGGGTTGCTCATT TGGGTATCACTGGAGTCTGATGGAAAGAGATAGGCGC
ATCTCTGGAGTTGATCGTTACTATGTGTCAAAGGGTTTGGAGAACATTGATTAAGGAAGCATT TCTGATTGAT
GAAAAAATAACTCAGTTATGGCCATCTACCCCTGCTAGAAAGGTTACAGTGTATTATGTAGCATGCAATGTGTTA
TGTAGTGCTTAATAAAAATAAAATG

6798/6881
FIGURE 6281

ATGGACGTAGACACACGAGCCTATTTACCTCCGCTACCATAATCATCGCTATTCCCACCAGCGTCAAACCTGACT
CGCTACACTCTACGGAAGCAATATGAAGTGATCTGCTGCAGTACTCTGAGCCCTAGGGTTCATTTTTCTCTTCAC
TGTGGCCTAACC GGCAATTGTACTAGCAAACATCATTAGACATCGTACTACACGACACATACTACGTCGTAGCT
CACTTCCATTACGTCCTATCAATAGGAGCTGTATTGCGCCATCACAGGAGCCAATATTGTACCTATCACCATACTA
GTCTTTGCTGCCTGCAAGGCAGCAGTAGGCCTAGCCCTACTAGTCTCAATCTCTAACACATATGGCCTAGACTAC
GTACATAACCTAAGCCTACTCCAATGCTAA

6811/6881
FIGURE 6294

MEEMKKTAIRLPKGKQKPIKTEWNSRCVLFTYFQGDISSVVDEHFSRALSNIKSPQELTPSSQSEGVMLKNDDSM
SPNQWRYSSPWTKPQPEVPVTNRAANCNLHVPGPMAVNQFSPSLARRASVRPGELWHFSSLAGTSSLEPGYSHPF
PARHLVPEPQPDGKREPLLSLLQQDRCLARPQESAARENGNPGQIAGSTGLLFNLPPGSVHYKKLYVSRGSASTS
LPNETLSELETPGKYSLTTPPNHWGHPHRYLQHL

FIGURE 6295A

[illegible]

6813/6881
FIGURE 6295B

CTTTATCCCAGAACTAGAACTGTGAGAAACCAGGTTTGAAGACAGTCACAGAACAGCACACATCCAAATTCAG
CGCCATTGAAAGTTGGCCTAAGGCTCAGTGCCACTCACCCCTCCCTCCCCAAAAGACAAGAGAAATTTGGCCAGA
TGGGGAAGGTCACTGGAAATTGAGGCCAAAGGGCTGATCAGAATTGCCTTTATAATATATTTGATGGATGCCTAT
AAATGTGGGTTTTGCAAAATATTGTTTAAAAACCAAACCTTGAAGCCAGGCATGGTGGCCACACCTGTGGTCCCAG
CTACTCAGGAGGCTGAGGTGGGAGGATCATTGAGGCCAGGAGGTCAAGGCTGCAGTGAGCTGTGATGACACCAC
TGCACTCCAACCTAGGTAACAGAGAGACACCTCTGTCTCTGAAAAAACAAAACCTTGAAGTTTGAAACCCCCAGCT
TGCTGAGGAGCCCTTTTTTATTTTTGGTACTGAGAGTCTCAAGGTCCCATAGCTACATGGTACAGGGCTGTTGTCT
GCTTGCTGCACAGCAGAAATTACACCATCCACAGGAAATGGACTATTTTTGCAGTCCAACATCAGCCAACCACAC
ACAGCCGTGTTTGGAAGCTGAAGAGTAAAGAAATTTCTAGGAATGGCTGTTGTTCTGTTTTTTAGCACAGCCATT
TAGATATAACATCCTTCACTTAAAAATTAAAAACATCAGTACTACCACCACCACCAACAACATCAACACAGATCT
TCACATCTGCCCATTTCTGTGGTTAGTCAATGGCTTGCAATAAATGTGCAAACCTGCATCTATAGGAAACATTTTTG
TGATTACGGAATACTTTAGTTGATTGCTGAAAATATTGAAAGGTCTTCATTTTACAGTGATGAGTACATATGCAT
GTTTCGGGGACTTGGCCCTTCTGATGAGGGGCCCTCGGTACTCTGGATAACGAAGCTTGTGCAGAGTGGTAACCA
TGCTTACACACTAACTATAATATAAAGGAAATGAAGCCATGTTAATCTGAGAGCAGTGTCGCCATAGTTGTGTT
GTTTACAATACTCTATAAATGGGTTCTGTTGCCCTGTAATTAACTGCTGCCCGTAGAGGCCTTTCAGTTCCTT
TTCTGTCCTTCCCCTTCTTAACACAAGCTCAAATTTTCTAACTTGTTTTTATTTTGAAGACTTTTAAAAATGGACA
TTTTCAATACATAAAAATAAACAGTGCTTTATAAAAA

6814/6881
FIGURE 6296

MNP EEQIVTWLISLGVLESPKKTICDP EEFLKSSSLKNGVVLCKLINRLMPGSVEKFCLDPQTEADCINNINDFLK
GCATLQVEIFDPDDLYSGVNF SKVLSTLLAVNKATEDQLSERPCGRSSSLSAANTSQTNPQGAVSSTVSGLQRQS
KT VEMTENGSHQLIVKARFNFKQTNEDELSVCKGDIYVTRVEEGGWEGTLNGRTGWFP SNYVREIKSSERPLS
PKAVKGFETAPLTKNYYTVVLQNILDTEKEYAKELQSLLVTYLRPLQSNNNLSTVEVTSL LGNFEEVCTFQQTL C
QALEEC SKFPENQHKVGGCLLSLMPHF KSMYLAYCANHPSAVNVLTQHSDELEQFMENQGASSPGILILTTLNLSK
PFMRLEKYVTLLQELERHMEDTHPDH QDILKAIVAFKTLMGQCQDLRKRKQLELQILSEPIQAWEGEDIKNLGNV
IFMSQVMVQYGACEEKEERYLM LFSNVLIMLSASPRMSGFIYQGKIPIAGTVVTRLDEIEGNDCTFEITGNTVER
IVVHCNNNQDFQEWLEQLNRLIRGPASCSSLSKTSSSSCSAHSSFSSTGQPRGPLEPPQIIKPWSLSCLRPA PPL
RPSAALGYKERMSYILKESSKSPKTMKKFLHKKRTERKPSEEEYVIRKSTA ALEEDAQILKVIEAYCTSANFQQG
HGSSTRKDSIPQVLLPEEEKLII EETRSNGQTIMEEKS LVDTVYALKDEVRELKQENKRMKQCLEELKSRRDLE
KLVRRLKQTDECIRGESSSKTSILP

6815/6881
FIGURE 6297

AAAAAAAAACATGGTTGAAGCAGATCGCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAAACAAATGAGAAA
GCTCTTGAAGCAGTATTTGGCAAATATGGACGAATAGTGGAAGTACTCTTGATGAAAGACCGTGAAACCAACAAA
TCAAGAGGATTTGCTTTTGTACCTTTGAAAGCCCAGCAGACGCTAAGGATGCAGCCAGAGACATGAATGGAAAG
TCATTAGATGGAAAAGCCATCAAGGTGGAACAAGCCACCAACCATCATTTGAAAGTGGTAGACGTGGACCGCCT
CCACCTCCAAGAAGTAGAGGCCCTCCAAGAGGTCTTAGAGGTGGAAGAGGAGGAAGTGGAGGAACCAGGGGACCT
CCCTCACGGGGAGGACACATGGATGACGGTGGATATTCCATGAATTTTAACATGAGTTCTTCCAGGGGACCACTC
CCAGTAAAAAGAGGACCACCACCAAGAAGTGGGGGTCTCTCTCTAAGAGATCTGCACCTTCAGGACCAGTTTCGC
AGTAGCAGTGGAAATGGGAGGAAGAGCTCCTGTATCACGTGGAAGAGATAGTTATGGAGGTCCACCTCGAAGGGAA
CCGCTGCCCTCTCGTAGAGATGTTTATTTGTCCCAAGAGATGATGGGTATTCTACTAAAGACAGCTATTCAAGC
AGAGATTACCCAAGTTCTCGTGATACTAGAGATTATGCACCACCACCACGAGATTATACTTACCGTGATTATGGT
CATTCCAGTTCACGTGATGACTATCCATCAAGAGGATATAGCGATAGAGATGGATATGGTCGTGATCGTGACTAT
TCAGATCATCCAAGTGGAGGTTCTTACAGAGATTCATATGAGAGTTATGGTAACTCACGTAGTGCTCCACCTACA
CGAGGGCCCCCGCCATCTTATGGTGGAAGCAGTCGCTATGATGATTACAGCAGCTCACGTGACGGATATGGTGGA
AGTCGAGACAGTTACTCAAGCAGCCGAAGTGATCTCTACTCAAGTGGTCGTGATCGGGTTGGCAGACAAGAAAGA
GGGCTTCCCCCTTCTATGGAAGGGGGTACCCTCCTCCACGTGATTCTACAGCAGTTCAAGCCGCGGAGCACCA
AGAGGTGGTGGCCGTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATACTAGAAACAAACAAAACCTT
TGGACCAAATCCCAGTTCAAAGAAACAAAAAGTGGAAACTATTCTATCATAACTACCAAGGACTACTAAAAGG
AAAAATTGTGTTACTTTTTTTAAATTCCCTGTTAAGTCCCCCTCCATAATTTTTATGTTCTTGTGAGGAAAAAG
TAAACATGTTTAATTTTATTTGACTTTCGCATTGCTTTTCAACAAGCAAATGTTAAATGTGTTAAGACTTGTAC
TAGTGTGTAACTTTCCAAGTAAAAGTATCCCTAAAAGGCCACTTCCTATCTGATTTTTTCCAGCAAATGAGGCA
GGCAATTCTAAGATCTTCCACAAAACATCTAGCCATCTAAAATGGAGAGATGAATCATTCTACCTATACAAACAA
GCTAGCTATTAGAGGGTGGTTGGGGTATGCTACTCATAAGATTTTCAAGGTGCTTCCAAGTAAATCTCAATGTT
CTCAGTACGAAAAACCTGAAATCACATGCCTATGTAAGGAAAGTGCTATTACCCAGTAAACCCAAAAAGCAAA
TGGATAATGCTGGCCATTTTGCTTTCTGACATTTCTTGGGAATCTGCAAGAACCTCCCCTTTCCCTTCCCCCA
ATAAGACCATTTAAGTGTGTGTTAAACAACACTACAGAATACTAAATAAAAAGTTTGGCCAAAACC

6816/6881
FIGURE 6298

MVEADRPGLFIGGLNTETNEKALEAVFGKYGRIVEVLLMKDRETNKSRGFAFVTFESPADAKDAARDMNGKSLD
GKAIKVEQATKPSFESGRRGPPPPPSRGPPRGLRGGRGSGGTRGPPSRGGHMDDGGYSMNFNMSSSRGPLPVK
RGPPPRSGGPPPKRSAPSGPVRSSSGMGGRAPVSRGRDSYGGPPRREPLPSRRDVYLSPRDDGYSTKDSYSSRDY
PSSRDTRDYAPPPRDYTYRDYGHSSSRDDYPSRGYSRDRDGYGRDRDYSDHPSGGSYRDSYESYGNSRSAPPTRGP
PPSYGGSSRYDDYSSSRDGYGGSRDYSSSRSDLYSSGRDRVGRQERGLPPSMERGYPPPRDSYSSSSRGAPRG
GRGGSRSRDRGGGRSRY

6817/6881
FIGURE 6299

CTCGTGATTACTCAGTTTGGGAACAGTGACAATAACTTTACAAATACATATACAGATGTATCTTCTGTCCACTCA
GGAAACACAGCAAGGGTCCCATTCTAACTACAAGTCAGAGGTGATTCCAGGGCACTTTGGATTCCCTCGTGCCCCAG
GATCAAGCAGTACTTACCGCTTCCACGGTACTTAGCGTTCCTGCCAATAAAAGAAGCCCAACTCCGGCCGTCGGC
TGTCGCTGCCAGAGGGAGGAGGGCCATGATCCAAAGGAACCAGAGCAGTTGAGAAAAGTGTATTGGTGGTCTG
AGCTTTGAAACTACAGAAGATAGTTTAAAAGAACATTTTGAGAAATGGGACACACTCACAGATTGTGTGGTAATG
AGAGACCGCCAAACAAAACGTTCCAGGGGCTTAGGTTTTGTGACTTATTCTTGTGTTACAGAGGTAGATGCAGCA
ATGTGTGCTCGACCACACAAGGTTGATGGGCATGTAGTGGAACCAAAAAGAGCTGTTTCTAGAGAGGATTCTGTA
AAGCCCGGTGCCCATCTAACAGTGAAGAAAATTTTTGTTGGTGGTATTAAAGAAGATACAGAAGAATATAATTTG
AGAGACTACTTTGAAAAGTATGGCAAGATTGAAACCATAGAAGTTATGGAAGACAGGCAGAGTGGAAAAAGAGA
GGATTTGCTTTTGTAACTTTTGATGGTCACGATACAGTTGATAAAATTGTTGTTTCAGAAAATACCACACTATTAAT
AGGCATAATTGTGAAGCAAAAAGGCCGTTTCTAAACAAGAAATGCAGTCTGCTGGATCATAGAGAGGTCGTGGAG
GTGGGTCTGGCAATTTTATGGGTTGCGGAGGAAGCTTTGGAGATGGTGGAGCAATCAAATTATGGACCCATGAAA
GGGGGCAGTTTTGGTGGAAAGACACTCGGGCAGTCCCTATGGTGGTGGTTATGGATCTGGTGGTGGAAAGTGGTGG
TATGGTAGCAGAAGGTTCTAA

6818/6881
FIGURE 6300

TGGGAATCTGACGGATCGGAGGCATTTGTGAGGAGGCGCGAATCAAGTTAGCGGGGGGAAGAGTCTTAGACCTGG
CCAGTCCTCAGGGTGAGGGCCCTGAGGAAGAACTGAGGGACCTCCCACCATAGAGAGAAGAAACCCCGGCTGTA
CTGCGCTGCCGTGAGACTGGTGCTCCAGGAACCAGGTGGTGACGAAC TGGGTGTGAGGCACACAGCCTAAAGTCA
GCACAGCAGAGGAGGCCAGGCAGTGCCAGGAGTCAAGGCCTGTTGGATCTCATCATCCATATCCCTGTTGATAC
GTTTACCTGCTGCTCCTGAAGAAGTCGTC ATG CCTCCCGTTCCAGGCGTTCCATTCCGCAACGTTGACAACGACT
CCCCGACCTCAGTTGAGTTAGAAGACTGGGTAGATGCACAGCATCCCACAGATGAGGAAGAGGAGGAAGCCTCCT
CCGCTCTTCCACTTIGTACTTAGTATTTTTCCCCCTCTTCTTCTCCACATCCTCTTCTCTGATTCTTGGTGGTC
CTGAGGAGGAGGAGGTGCCCTCTGGTGTGATACCAAATCTTACCGAGAGCATTCCAGTAGTCTTCCACAGGGTC
CTCCACAGGGTCCTTCCCAGAGTCTCTGAGCTCCTGCTGCTCCTCTTTTTCATGGAGCTCATTAGTGAGGAGT
CCAGCAGCCAGAAAGGGGAGGATACAGGCACCTGTCAGGGCCTGCCAGACAGTGAGTCTCTTTCACATATACAC
TAGATGAAAAGGTGGCCGAGTTAGTGGAGTTCTGCTCCTCAAATACGAAGCAGAGGAGCCTGTAACAGAGGCAG
AGATGCTGATGATTGTCTCATCAAGTACAAAGATTACTTTCTGTGATACTCAAGAGAGCCCGTGAGTTCATGGAGC
TTCTTTTTGGCCTTGCCCTGATAGAAGTGGGCCCTGACCACTTCTGTGTGTTTGCAAACACAGTAGGCCTCACCG
ATGAGGGTAGTGATGATGAGGGCATGCCGAGAACAGCCTCCTGATTATTATTCTGAGTGTGATCTTCATAAAGG
GCAACTGTGCCTCTGAGGAGGTCATCTGGGAAGTGCTGAATGCAGTAGGGGTATATGCTGGGAGGGAGCACTTCG
TCTATGGGGAGCCTAGGGAGCTCCTCACTAAAGTTTGGGTGCAGGGACATTACCTGGAGTATCGGGAGGTGCCCC
ACAGTTCTCCTCCATATTATGAATTCCTGTGGGTCCAAGAGCCCATTCAGAAAGCATCAAGAAGAAAGTACTAG
AGTTTTTAGCCAAGCTGAACAACACTGTTTCTAGTTCTTTCCATCCTGGTACAAGGATGCTTTGAAAGATGTGG
AAGAGAGAGTCCAGGCCACAATTGATACCGCAGATGATGCCACTGTCTGCGCCAGTGAAAGCCTCAGTGTCTGT
CCAGCAACGTCTCCTTTTTCTGAG TGA AGTCTAGGATAGTTTCTTCCCCCTTGTGTTTGAACAGGGCAGTTTAGGTT
CTAGGTAGTGGAGGGCCAGGTGGGGCTCGAGGAACGTAGTGTTCTTTGCATTCTGTCCCATATGGGTGATGTAG
AGATTTACCTGTTTTTCAGTATTTTCTAAATGCTTTTCTTTGAATAGCAGGTAGTTAGCTTCAGAGTGTTAATT
TATGAATATTAGTCGCACATGTATTGCTCTTTATCTGGTTTAAGAGTAACAGTTTGATATTTTGTAAAAAATG
GAAATACCTTCTCCCTTATTTTGTGATCTGTAACAGGGTAGTGTGGTATTGTAATAGGCATTTTTTTTTTTTTTT
ACAATGTGCAATAA^ΔCTCAGCAGTTAAATAGTGAACAAAATTGAAGGGTGGTCAGTAGTTTCATTTCTTGTCTT
GCTTATTCTTTTGTCTTGA^ΔAAATTATATATACCTGGCTTTGCTTAGCTTGTTGAAGAAAGTAGCAGAAATTAA
TCTTAATAAAAGAAAAAAAAAAAAAAAAAAAAAGG

6819/6881
FIGURE 6301

MPPVPGVPFRNVDNDSPTSVELEDWVDAQHPTDEEEEEASSASSTLYLVFSPSSFSTSSSLILGGPEEEVPSGV
IPNLTESIPSSPPQGPPQGPSQSPLSSCCSSFWSSSFSEESSSQKGEDTGTCQGLPDSESSFTYTLDEKVAELVE
FLLKYEAEPPVTEAEMLMIVIKYKDYFPVILKRAREFMELLFGLALIEVGPDHFCVFANTVGLTDEGSDDDEGMP
ENSLIIILSVIFIKGNCASEEVIWEVLNAVGVYAGREHFVYGEPRELLTKVWVQGHYLEYREVPHSSPPYYEFL
WGPRAHSESIKKKVLEFLAKLNNTVPSSFPSWYKDALKDVEERVQATIDTADDATVMASELSVMSSNVSFSE

6820/6881
FIGURE 6302

TTTTCTTTGCTGTTCTTCATCCTCGTTGTTGCTGTGCATCATGTTCACTGTGGCTTTTACAATACAGCCTGTAAAT
TCCTTATGACATAGTTTCACTGCATTGCGCTTTATTGCCTGCTCCACAGTTCTTTACCTTTACTTGGCTTAGAGAA
ACTGTATCTTTGTTGCTTCATATAACCTTTCCCAACCCCACTAAGCTGGACATAACTTATTAGTGGTCCCTCCCG
TCACTTTATTTGTAGAAATCTCTCTTTTACATGAGCAGGGGTTCTTTTCATGTGGTTTAGCTGACAGCAGAACTAG
TGATTCTAGACATTTTGCATGGCCCTCATTCACTGGCTCACAAACATGAGGGAGCATCAGAACTACTTGGGGGGC
TTGTTAAAACCCAGTGCCTTAGAAGTCGGATGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCCCAGG
CAGGCGGATCACTTGAGGTTAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAACCCCGTCTCTACTAAAAATA
CAAAAGTTAGCCGGGTGTGGTGGTGCATGCCTGTAATCCCAGCTTCTTGGGAGGCCAAGGCACAAGAATCGCTTG
AACCAGGAGACGGAGGTTTCAGTGAATGAAGATCGTGCCATTGTATTCCAGCCTCGGCAACACAGCAGGACTGTG
ATTTTCTTTGGAGACTCCTAGATTTTCTGTGGTTTTGAACTGAATTTGTTGGATGTTGGCAAGTGCCTCTTATGA
GCTGTTTCTTTATCCTGCATTTGCCCCACAAAGACTTATCTGGAGGTGAGCAAAGTATGTTTGGTAGTGAGGTCA
CAAAGGCAATCAGCCCCCTTCTCCCCACTCCCATTCGCATCTTCTCAGTCCTTCTCCCTTTCTTTCCAAGTAGTT
TACCCACCCCTCCTCTTTTCTCCCCGTGCCCTAAAATAATCCACGTGTCTTCTTAAATCTCTCTTTGATCCTGT
CCTTTGATAACACCGTCAGTGCCTACTACTGGGTCTAGACAGACCTCTGTTGAGCAGTCAGAGTCTTCCCTGACT
CCACAATGCCCTTTTCTTGGCTGACCAGTATGACTACTGGTCCCCACCTTTCCCTTGCCCTATCCCTACCTCCCT
CCTACTAGGTTGTCCCATCCCTCTCTTCACCCATTCATTCATGACCATTTTCTACTACCAAGCTCCCCCCTCCC
GAAGGAGGCTGAGGTTTTTGTGACTCTCTAGACTCTATTGTGGGATGGAATGAACATTGCTAAAGAATCTTGTTG
TCGCTTTACTTTAAAAAGGTATTTTTTCTTAATTATAAACTGATGTGTGTCAGTTACGGAAAAATTAGAAATGCA
GCACAAATACATGAATATTTTACCACAAAATTGCCATATAATATCTTGTCTTTTTTGGGGGTGTGAATTTTTTG
ATTGTTCTGGTCATATTCTTTATCATGTAATTTATGTTCTTTTTTACTAAGTATTATGTGTGGTTATTATAGATT
TTCACAAAGATATATTGCTGGTAATATATTTTATTGTGTAGTCTTATAATTTACTTAACTTCTTTCAATTGTTA
GAAATTTAGGCTATTTCCAGATTTTCACTATTGTAAATAATGCTGTGATGACCAATTTTGTGAATAAAATGTTTT
TATGTATTTTCACTTATTTCCCTTAGGATAGTCTCTCAGTGCCAAGTTGTCAAAAACATCTCTATTTTGCTTATCT
TCCTGCTCTCTTGCTGCCTTAGGGGGTAGTAACTGAAACATAAAGTAAACATGCATACAAATAAAAAACATAAA
ACAAAAATAAGCAACCTGATGGTAATAGGTGAAAGTGGTAACCTGTTTTAACTTTGAATTCTTGCCGGGCGCGGT
GCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGTGGATCACGAGGTGAGGAGTTCAAGACCAGCCT
GGCCAAGATGGTGAAATCCCGTCTCTACTAAAAATACAAAAATTAGCCGGGCGTGGTGGTGGGCGCCTGTAATCC
CAGCTACTTGGGAGGCTGAGGCAGAGAATTGCTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCCAAGATCGTGCC
ACTGCACTCCAGCCTGGGTGACAGAGCGAGACTCCGTCTCAAATAAAAAACAACAAAAACAAAAAACTTAAA
ATTCTTTGCTTGTAGTGACCTTGATCATGTTTCTCTTTGTACGATAGTTGGGCATCTGTATTTCCACTTGTGTG
AATTTGCCCTTTAAATTTTGGTTATGGGTTTACCTTTTAAATAATCAAACATATTTATCTTTTCTGTGTGATA
GGTTTTTTCTGTATCTTTTCTGTAAACACACAGACCCCTCCCAATCTGGACATTGAATAAATATTCATTTT
CCTTTGC

6821/6881
FIGURE 6303

MNIAKESCVRFTLKRYFFPNYKTDVSVTEKLEMQHKYMNILPQNCHIIISCLFWGCEFFALFWSYSLSCNLCSELL
SIMCGYYRFSQRYIAGNIFYCVVL

6822/6881
FIGURE 6304

GGGAGCTGTATGAAAGCGGAAGAGTTATAGACCGCTAACACCTGTCACTGGCCACTGGTTTCCCGGAGTTAGCGG
CAACGACCTTGACGCTGGACACTAGCCAGGCGCTCCCTCTTCTCACAGCGGCCACGTCTCCTTGCTTGGGAGC
CCATCGTCCCTGGCTCCGGTGGCCTCGCTGGGTCTCGGGGAAGCAGAGGACTGTTTCATTCTGTGGCGAAAAGCCG
GAGTCGGCCCTAGACACCCACGACTCGCAGGGTCCATGGTTCCGGAGGCCGTGAGACCTGCCGGGGCTGACAGGT
GCCAGGGCCCATGCTGCGGGAGCCTGTGTGCTCAGCCTTCTTGCGGACGGTAAAGAAGCTAAGTGGAAGAGTGTT
TCCTCCTCTGGCCGTAAAGCAGGTACTCTCTGCAGCACCCAGCTGTCCCCGCCCTACTCCGGACCGCCCCAAAGAC
TCCATGGGATGGACCTGAGTCAGCCGAATCCCAGCCCCCTTCCCTTGGGCCTGCTGTGGTGCTGGACATCAGTGAC
AGACGGAAGCAGGAGACCATCAAGGCTACGGGAGGCCCGGGGCGCTTGCGAAGATGAAGTTTGGCTGCCTCTCCT
TCCGGCAGCCTTATGCTGGCTTTGTCTTAAATGGAATCAAGACTGTGGAGACGCGCTGGCGTCCCTTGCTGAGCA
GCCAGCGGAAGTGTACCATCGCCGTCCACATTGCTCACAGGACTGGGAAGGCGATGCCTGGCGGGAGCTGCTGG
TGGAGAGACTCGGGATGACTCCTGCTCAGATTAGGCCTTGCTCAGGAAAGGGGAAAAGTTTGGTCGAGGAGTGA
TAGCGGGACTCGTTGACATTGGGGAACTTTGCAATGCCCCGAAGACTTAACCTCCGATGAGGTTGTGGAAGTAG
AAAATCAAGCTGTACTGACCAACCTGAAGCAGAAGTACCTGACTGTGATTTCAAACCCAGGTGGTTACTGGAGC
CCATACCTAGGAAAGGAGGCAAGGATGTATTCCAGGTAGACATCCCAGAGCACCTGATCCCTTTGGGGCATGAAG
TGTGACAAGTGTGGGCTCCTGAAAGGAATGTTCAGAGAAACCAGCTAAATCATGACACCTTCAATTTGCCATCA
TGACGCAGACCTGTATACATTAGGTTAAATCTGAATTTCCACTGCTTTGGAGAGTCCCACCCACTAAGCACTGTG
CATGTAAACAGGTTCCCTTTGCTCAGATGAAGGAAGTAGGGGTGGGGCTTTCCTTGTTGATGCCTCCTTAGGCA
CACAGGCAATGTCTCAAGTACTTTGACCTTAGGGTAGAAGGCAAAGCTGCCAGTAAATGTCTCAGCATTGCTGCT
AATTTTGGTCTCTGCTAGTTTCTGGATTGTACAAATAAATGTGTTGTAGATGACTGGTTAGTGTTTGAGGCTTTGT
TCTATGTTTTCCCTGATTTGTTCTGGTCAAACTCATCAAATGTGTAAGTAGCATCCAGGCGACAATACAGAAA
GTCTGGGACCTGGCACTGAATGTTTGCCTGGTAGTGACTAGCCGTTAATCAACCGACTCATCCAGGATGAAGAGG
ACGTCAGACTTAGAGCAGCTGTCTGTCCTTTCAGGTTACTCTCACTCTTCTGAAAGTGTCTGTCAGTTTCTGAAG
CATGTGTGTTACCTGCATCACACAGCTACTTCCTATCCTAGCAATACATCCAAAATACAGCTCTAGTAGAGTGAG
GTTAACTTGGAATGTGATCAGTAGTGTTGTTTTATTTTGTAGTAATTTTTTTTTTTTTTTTGGTGATTTAGCAAA
GTTTCTAGTTGTTATCCATGAGGATGATGGGCATTTCCCCCAGGTATTGACTGCAGTGG

6823/6881

FIGURE 6305

MKFGCLSFRQPYAGFVLNGIKTVETRWRLSSQRNCTIAVHIAHRDWEGDACRELLVERLGMTPAQIQALLRKG
EKFGRGVIAGLVDIGETLQCPEDLTPDEVVELENQAALTNLKQKYLTVISNPRWLLEPIPRKGGKDVVFQVDIPEH
LIPLGHEV

6824/6881
FIGURE 6306

GGAGCTGCATGAAAGCCGAAGTTATGGACCGCTAGCATCTGTCACTGGCCACCGGTTTCCGGGAGTAAGCGGCAG
CTACCTTACAGCCCTGACACGAGCCGGGTGCTCTCTCTTCTCACC GCGGCCACGTCTCCTCGCTGGCTCCGGTG
GCCTCGCTGGGTCGCGAGGAGGCGGAGGACTGTACTCTGAGGCCAAAAGCCAGAGTCGGCCCTGAACGCCCACGA
CTCTCAGGGTCCAGAGGCCGTGAGACCGGCCGCGGCTGAAAAGGTACCAGGGCCCCCTGATGCCGGAGCCCCGTGTGC
TCGGCCCTCTTGCAGACGGTAAAGAAACCAAGTGGAAGAGTGTTTCCCTCCTCTGGCCGTAAAGCAGCTGTCCCCG
CCCTACTCCGGACCGCCCCAAAGACTCCATGGGATGGACCTGAGTCAGACGGAAGCAGCAGACCATCAAGGCTAC
GGGAGGCCCGGGGCGCTTGCGAAGATGAAGTTTGGCTGCCTCTCCTTCCGGCAGCCTTATGCTGGCTTTGTCTTA
AATGGAATCAAGACTGTGGAGACGCGCTGGCGTCTCTGCTGAGCAGCCAGCGGAAGTGTACCATCGCCGTCCAC
ATTGCTCACAGGACTGGGAAGGCGATGCCTGTCGGGAGCTGCTGGTGGAGAGACTCGGGATGACTCCTGCTCAG
ATTCAGGCCTTGCTCAGGAAAGGGGAAAAGTTTGGTCGAGGAGTGATAGCGGGACTCGTTGACATTGGGGAACT
TTGCAATGCCCCGAAGACTTAACTCCCGATGAGGTTGTGGAAGTAGAAAATCAAGCTGCACTGACCAACCTGAAG
CAGAAGTACCTGACTGTGATTTCAAACCCAGGTGGTTACTGGAGCCCATACCTAGGAAAGGAGGCAAGGATGTA
TTCCAGGTAGACATCCCAGAGCACCTGATCCCTTTGGGGCATGAAGTGTGACAAGTGTGGGCTCCTGAAAGGAAT
GTTCCAGAGAAACCAGCTAAATCATGGCACCTTCAATTTGCCATCGTGACGCAGACCTGTATAAATTAGGTTAAA
GATGAATTTCTTGTGTGATGCCTCCTTAGGCACACAGGCAATGTCTCAAGTACTTTGACCTTAGGGTAGAAGGC
AAAGCTGCCAGTAAATGTCTCAGCATTGCTGCTAATTTGGTCCTGCTAGTTTCTGGATTGTACAAATAAATGTG
TTGTAGATG

6825/6881
FIGURE 6307

MCVTDKTRPPSSSWFPMPAKYMTFLGPLTSFAVLHLMTFPLYLPCCAGKEAKWKS SVSSSGRKA AVPALLRTAPKT
PWDGPESAESQPLPLGLLWCWTSVTDGSRPSRLREARGACEDEVWLPLLPAALCWLCWKWNQDCGDALASPAEQ
PAELYHRRPHCSQGLGRRCLAGAAGGETRDDSCSDSGLAQERGKVWSRSDSGTR

6826/6881
FIGURE 6308

GGCACGAGGGCGGGGATCAGAGAGAAGCGAGGGCCTGGTTCTGAGGGGTCTGGCTTGAGATCGGCTGAGGGAAGCG
GGCTCAGGGTCTGTGAGGAGGCAAGGTTTCGCAGAGAACAGGCCAGCCAGGAGGTGAGGAGGCCCCAGAGAAGCAC
TGAAGAAGACCTGCCTGTGGGTCTCAATTGCCCAGCTCCGGCCCACACTCTCCTGCTGCCCTGACCTGAGTCATC
ATGCCTTCTTGGGCAGAAGAGTCAGCGCTACAAGGCTGAGGAAGGCCTTCAGGCCCCAAGGAGAGGCACCAGGGCTT
ATGGATGTGCAGATTCCACAGCTGAGGAGCAGAAGGCTGCATCCTCCTCCTCTACTCTGATCATGGGAACCCCTT
GAGGAGGTGACTGATTCTGGGTACCAAGTCCTCCCCAGAGTCCTGAGGGTGCCTCCTCTTCCCTGACTGTCACC
GACAGCACTCTGTGGAGCCAATCCGATGAGGGTTCCAGCAGCAATGAAGAGGAGGGGCCAAGCACCTCCCCGGAC
CCAGCTCACCTGGAGTCCCTGTTCCGGGAAGCACTTGATGAGAAAGTGGCTGAGTTAGTTTCGTTTCTGCTCCGC
AAATATCAAATTAAGGAGCCGGTCACAAAGGCAGAAATGCTTGAGAGTGTTCATCAAAAATTACAAGAACCACCTT
CCTGATATCTTCAGCAAAGCCTCTGAGTGCATGCAGGTGATCTTTGGCATTGATGTGAAGGAAGTGGACCCTGCC
GGCCACTCCTACATCCTTGTCACCTGCCTGGGCCTCTCCTATGATGGCCTGCTGGGTGATGATCAGAGTACGCC
AAGACCGGCCTCCTGATAATCGTCCTGGGCATGATCTTAATGGAGGGCAGCCGCGCCCCGGAGGAGGCAATCTGG
GAAGCGTTGAGTGTGATGGGGCTGTATGATGGGAGGGAGCACAGTGTCTATTGGAAGCTCAGGAAGCTGCTCACC
CAAGAGTGGGTGCAGGAGAACTACCTGGAGTACCGCCAGGCGCCCGGCAGTGATCCTGTGCGCTACGAGTTCCTG
TGGGGTCCAAGGGCCCTTGCTGAAACCAGCTATGTGAAAGTCCTGGAGCATGTGGTCAGGGTCAATGCAAGAGTT
CGCATTTCTACCCATCCCTGCATGAAGAGGCTTTGGGAGAGGAGAAAGGAGTTTGAGCAGGAGTTGCAGCTAGG
GCCAGTGGGGCAGGTTGTGGGAGGGCCTGGGCCAGTGCACGTTCCAGGGCCACATCCACCACTTTCCCTGCTCTG
TTACATGAGGCCCATTTCTTCACTCTGTGTTTGAAGAGAGCAGTCACAGTTCTCAGTAGTGGGGAGCATGTTGGGT
GTGAGGGAACACAGTGTGGACCATCTCTCAGTTCCTGTTCTATTGGGCGATTTGGAGGTTTATCTTTGTTTCCTT
TTGGAATTGTTCCAATGTTTCCTTCTAATGGATGGTGTAAATGAACCTCAACATTCATTTTATGTATGACAGTAGAC
AGACTTACTGCTTTTTATATAGTTTAGGAGTAAGAGTCTTGCTTTTTCATTTATACTGGGAAACCCATGTTATTTT
TTGAATTCAGACACTACAAGAGCAGAGGATTAAGGTTTTTTTTAGAAATGTGAAACAACATAGCAGTAAAATACAT
GAGATAAAGACATAAAGAAATTAAACAATAGTTAATTCTTGCCTTACCTGTACCTCTTAGTGTACCCTATGTACC
TGAATTTGCTTGGCTTCTTTGAGAAATGAAATTGAATTAATATGAATAAATAAGTCCCCCTGAAAAAAAAAAAAA
AAA

6827/6881

FIGURE 6309

MLLGQKSQRYKAEGLQAQGEAPGLMDVQIPTAEEQKAASSSSTLIMGTLEEVTDSGSPSPQSPPEGASSSLTVT
DSTLWSQSDEGSSSNEEEGPSTSPDPAHLESLEFREALDEKVAELVRFLLRKYQIKEPVTKAEMLESVIKNYKNHF
PDIFSKASECMQVIFGIDVKEVDPAGHSYILVTCLGLSYDGLLGDDQSTPKTGLLIIVLGMILMEGSRAPEEAIW
EALSVMGLYDGREHSVYWKLRKLLTQEWVQENYLEYRQAPGSDPVRYEFLWGPRALAETSYVKVLEHVVRVNARV
RISYPSLHEEALGEEKGV

6828/6881
FIGURE 6310

AGTTTCCAGGATGGCTTCTGCATCAACTTCTTAAAAATAATTCACACTCCTTGGAGAATGAGTCTATTAAGAGGAC
GTCTCGAGATGGAGTCAATCGAGATCTCACTGAGGCTGTTCTCGACTTCCAGGAGAAACACTAATCACTGACAA
AGAAGTTATTTACATATGTCCTTTCAATGGCCCCATTAAGGGAAGAGTTTACATCACAAATTATCGTCTTTATTT
AAGAAGTTTGGAAACGGATTCTTCTCTAATACTTGATGTTCTCTGGGTGTGATCTCGAGAATTGAAAAAATGGG
AGGCGCGACAAGTAGAGGAGAAAATTCCTATGGTCTAAATATTACTTGTAAGACATGAGAAACCTGAGGTTTCGC
TTTGAAACAGGAAGGCCACAGCAGAAGAGATATGTTTGAGATCCTCACGAGATACGCGTTTCCCCTGGCTCACAG
TCTGCCATTATTTGCATTTTTAAATGAAGAAAAGTTTAACGTGGATGGATGGACAGTTTACAATCCAGTGGAAGA
ATACAGGAGGCAGGGCTTGCCCAATCACCATTGGAGAATAACTTTTTATTAATAAGTGCTATGAGCTCTGTGACAC
TTACCCTGCTCTTTTGGTGATTCCGTATCGTGCCTCAGATGATGACCTCAGGAAGTTGCAACTTTTAGGTCCCGA
AATCGAATTCCAGTGCTGTGATGGATTCATCCAGAAAATAAGACGGTCATTGTGCGTTGCAGTCAGCCTCTTGTC
GGTATGAGTGGGAAACGAAATAAAGATGATGAGAAATATCTCGATGTTATCAGGGAGACTAATAAACAAATTTCT
AAACTCACCATTTATGATGCAAGACCCAGCGTAAATGCAGTGGCCAACAAGGCAACAGGAGGAGGATATGAAAGT
GATGATGCATATCATAACGCCGAACCTTTCTTCTTAGACATTCTATAATATTATGTTATGCGGGAATCTTTAAAA
AAAGTGAAGGACATTGTTTATCCTAATGTAGAAGAATCTCATTGGTTGTCCAGTTTGGAGTCTACTCATTGGTTA
GAACATATCAAGCTCGTTTTGACAGGAGCCATTCAAGTAGCAGACAAAGTTTCTTCAGGGAAGAGTTTCAGTGCTT
GTGCATTGCAGTGACGGATGGGACAGGACTGCTCAGCTGACATCCTTGGCCATGCTGATGTTGGATAGCTTCTAT
AGGAGCATTGAAGGGTTCGAAATACTGGTACAAAAAGAAATGGATAAGTTTTGGACATAAAATTTGCATCTCGAATA
GGTCATGGTGATAAAAAACCACACCGATGCTGACCCTTCTCCTATTTTTCTCCAGTTTATTGATTGTGTGTGGCAA
ATGTCAAAACAGTTCCCTACAGCTTTTGAATTCAATGAACAATTTTTGATTATAATTTTGATCATCTGTATAGT
TGCCGATTTGGTACTTTCTTATTCAACTGTGAATCTGCTCGAGAAAGACAGAAGGTTACAGAAAGGACTGTTTCT
TTATGGTCACTGATAAACAGTAATAAAGAAAAATTCAAAAACCCCTTCTATACTAAAGAAATCAATCGAGTTTAA
TATCCAGTTGCCAGTATGCGTCACTTGGAACCTCTGGGTGAATTACTACATTAGATGGAACCCAGGATCAAGCAA
CAACAGCCGAATCCAGTGGAGCAGCGTTACATGGAGCTCTTAGCCTTACGCGACGAATACATAAAGCGGCTTGAG
GAACTGCAGCTCGCCAACCTCTGCCAAGCTTTCTGATCCCCCAACTTCACCTTCCAGTCCTTCGCAAATGATGCC
CATGTGCAAACTCACTTCTGAGGGGGGACCCTGGCACCGCATTAGAGCTCGAAATAAAGGCGATAGCTGACTTTC
ATTTGGGGCATTGTGAAAAAGTAGATTAAAAATATTTGCCTCCATGTAGAAGTTGAACTAACATAATCTTAACTC
TTGAATATGTGCCCTTCTAGAATACATATTACAAGAAAACCTACAGGGTCCACACGGCAATCAGAAGAAAGGAGCTG
AGATGAGGTTTTTGAAAACCCCTGACACCTTTAAAAAGCAGTTTTTGAAAGACAAAATTTAGATTTAATTTACGTC
TTGAGAAATACTATATATACAAATATATATTTGTGGGCTTAATTGAAACAACATTATTTTAAATCAAAGGGGAT
ATATGTTTGTGGAATGGATTTTCTGAAGCTGCTTAACAGTTGCTTTGGATTCTCTAAGATGAATCCAAATGTGA
AAGATGCATGTTACTGCCAAAACCAAATTGAGCTCAGCTTCTTAGGCATTACCCAAAAGCAAGGTGTTTAAGTAA
TTGCCAGCTTTTATACCATCATGAGTGGTGACTTAAGGAGAAATAGCTGTATAGATGAGTTTTTCATTATTTGGA
AATTTAGGGGTAGAAAATGTTTTCCCCTAATTTCCAGAGAAGCCTATTTTTATATTTTAAAAAACTGACAGGG
CCCAGTTAAATATGATTTGCATTTTTTAAATTTGCCAGTTTTATTTTCTAAATTCCTTCATGAGCTTGCCTAAAA
TTCGGAATGGTTTTCGGGTTGTGGCAAACCCCAAAGAGAGCACTGTCCAAGGATGTCGGGAGCATCCTGCTGCTT
AGGGGAATGTTTTCGCAAATGTGCTCTAGTCAGTCCAGCTCATCTGCCAAAATGTAGGGCTACCGTCTTGATG
CATGAGCTATTGCTAGAGCATCATCCTTAGAAATCAGTGCCCCAGATGTACATGTGTTGAGCGTATTCTTGAAAG
TATTGTGTTTATGCATTTCAATTTCAATGGTGTGGCTTCCCCTCCCCACCCACGCGTGCATAAAAACTGGTTC
TACAAATTTTTACTTGAAAGTACCAGGCCGTTTGCTTTTTTTCAGGTTGTTTTGTTTTATAGTATTAAGTGAAATTT
AAATGCACAGTTCTATTTGCTATCTGAACATAATTCATTTATTAAGTATATTTGTAAAAGCTAAGGCTCGAGTTAA
AACAAATGAAGTGTTTTACAATGATTTGTAAAGGACTATTTATAACTAATATGGTTTTGTTTTCAATGAATTAAGA
AAGATTAAATATATCTTTGTAAATATTTTTATGTCATAGTTTAAATTGGTCTACCAAGTAAGACATCTCAAATACA
GTAGTATAATGTATGAATTTTGTAAAGTATAAGAAATTTTATTAGACATTCTCTTACTTTTTGTAAATGCTGTAAA
TATTTTCAATAAATAACAAAGTGTCACTCCATAAAAAGAAAGCTAATACTAATAGCCTAAAAGATTTTGTGAAATT
TCATGAAAACCTTTTTAATGGCAATAATGACTAAAGACCTGCTGTAATAAATGTATTAACTGAAACCT

6829/6881
FIGURE 6311

GAGATTCTCGCCCTGAGCAACGAGCGACGGCCTGACGTGGGCGGAGGGAAGCCGGCCCCAGGCTCGGTGAGGAGGC
AAGGTTCTGAGGGGACAGGCTGACCTGGAGGACCAGAGGCCCCGGAGGAGCACTGAAGGAGAAGATCTGCCAGT
GGGTCTCCATTGCCCAGCTCCTGCCCACACTCCCGCCTGTTGCCCTGACCAGAGTCATCATGCCTCTTGAGCAGA
GGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCCCGAGGAGAGGCCCTGGGCCTGGTGGGTGCGCAGGCTC
CTGCTACTGAGGAGCAGGAGGCTGCCTCCTCCTCTTCTACTCTAGTTGAAGTCACCCCTGGGGGAGGTGCCTGCTG
CCGAGTCACCAGATCCTCCCCAGAGTCCTCAGGGAGCCTCCAGCCTCCCCACTACCATGAACCTACCCTCTCTGGA
GCCAATCCTATGAGGACTCCAGCAACCAAGAAGAGGAGGGGCCAAGCACCTTCCCTGACCTGGAGTCTGAGTTCC
AAGCAGCACTCAGTAGGAAGGTGGCCAAGTTGGTTCATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCA
CAAAGGCAGAAATGCTGGGGAGTGTGTCGCGAAATTGGCAGTACTTCTTTCTGTGATCTTCAGCAAAGCTTCCG
ATTCTTGCAGCTGGTCTTTGGCATCGAGCTGATGGAAGTGGACCCCATCGGCCACGTGTACATCTTTGCCACCT
GCCTGGGCCTCTCCTACGATGGCCTGCTGGGTGACAATCAGATCATGCCCAAGACAGGCTTCCCTGATAATCATCC
TGGCCATAATCGCAAAAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTTAGAGGTGT
TTGAGGGGAGGGAAGACAGTATCTTCGGGGATCCCAAGAAGCTGCTCACCCAATATTTCTGTCAGGAAAACCTACC
TGGAGTACCGGCAGGTCCCCGGCAGTGATCCTGCATGCTATGAGTTCTGTGGGGTCCAAGGGCCCTCATTGAAA
CCAGCTATGTGAAAGTCCTGCACCATATGGTAAAGATCAGTGGAGGACCTCGCATTTCTACCCACTCCTGCATG
AGTGGGCTTTGAGAGAGGGGGAAGAGTGAAGTCTGAGCACGAGTTGCAGCCAGGGCCAGTGGGAGGGGGTTTGGGC
CAGTGCACCTTCCGGGGCCCCATCCCTTAGTTTCCACTGCCTCCTGTGACGTGAGGCCCATCTTCACTCTTTGA
AGCGAGCAGTCAGCATTCCTTAGTAGTGGGTTTCTGTTCTGTTGGATGACTTTGAGATTATCTTTGTTTCTGT
GGAGTTGTTCAAATGTTCCCTTTTAACGGATGGTTGAATGAGCGTCAGCATCCAGGTTTATGAATGACAGTAGTCA
CACATAGTGCTGTTTATATAGTTTAGGAGTAAGAGTCTTGTTTTTTTATTCAGATTGGGAAATCCATTCCATTTG
TGAATTGTGACATAATAATAGCAGTGGAAAAAGTATTGCTTAAATTTGTGAGCGAATTAGCAATAACATACATG
AGATAACTCAAGAAATCAAAAGATAGTTGATTCTTGCTTGTACCTCAATCTATTCTGTAAAATTAACAAATAT
GCAAACCAGGATTTCTTGAATGCAAGCGAAATTAAATCTGAATAAATAATTCTTCCTCTTC

6830/6881
FIGURE 6312

MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEAASSSSTLVEVTLGEVPAAESPDPPQSPQGASSLPTTM
NYPLWSQSYEDSSNQEEEGPSTFPDLESEFQAALSRKVAKLVHFLLLKYRAREPVTKAEMLGSVVGNWQYFFPVI
FSKASDSLQLVFGIELMEVDPIGHVYIFATCLGLSYDGLLDNQIMPKTGFLIIILAIIAKEGDCAPEEKIWEEL
SVLEVFEGREDSIFGDPKKLLTQYFVQENYLEYRQVPGSDPACYEFLWGPRALIETSYVKVLHHMVKISGGPRIS
YPLLHEWALREGEE

6831/6881
FIGURE 6313

CGGCCTGACGTCGGCGGAGGGAAGCAGGCGCAGGCTCCGTGAGGAGGCAAGGTTCTGAGGGGGACAGGCTGACAA
GTAGGACCCGAGGCACTGGAGGAGCATTGAAGGAGAAGATCTGCCTGTGGGTCTTCATTGCCCAGCTCCTGCCCC
CACTCCTGCCTGCTGCCCTGACCAGAGTCATCATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAG
GCCTTGAGGCCCCGAGGAGAGGCCCTGGGCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCGCTT
CTTCCTCTTCTACTCTAGTGGAAGTTACCCTGGGGGAGGTGCCTGCTGCCGACTCACCGAGTCTCCCCACAGTC
CTCAGGGAGCCTCCAGCTTCTCGACTACCATCAACTACACTCTTTGGAGACAATCCGATGAGGGCTCCAGCAACC
AAGAAGAGGAGGGGCCAAGAATGTTTCCCGACCTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTG
AGTTGGTTCATTTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTGTCC
TCAGAAATTGCCAGGACTTCTTTCCCGTGATCTTCAGCAAAGCCTCCGAGTACTTGCAGCTGGTCTTTGGCATCG
AGGTGGTGGAAGTGGTCCCCATCAGCCACTTGTACATCCTTGTACCTGCCTGGGCCTCTCCTACGATGGCCTGC
TGGGCGACAATCAGGTCATGCCCAAGACAGGCCTCCTGATAATCGTCTTGCCATAATCGCAATAGAGGGCGACT
GTGCCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTATGTTGGAGGTGTTTGAGGGGAGGGAGGACAGTGTCTTCG
CACATCCCAGGAAGCTGCTCATGCAAGATCTGGTGCAGGAAAACCTACCTGGAGTACCGGCAGGTGCCCCGGCAGTG
ATCCTGCATGCTACGAGTTCTGTGGGGTCCAAGGGCCCTCATTGAAACCAGCTATGTGAAAGTCTTGCACCATA
CACTAAAGATCGGTGGAGAACCTCACATTTCTACCCACCCCTGCATGAACGGGCTTTGAGAGAGGGAGAAGAGT
GAGTCTCAGCACATGTTGCAGCCAGGGCCAGTGGGAGGGGGTCTGGGCCAGTGACCTTCCAGGGCCCCATCCAT
TAGCTTCCACTGCCTCGTGTGATATGAGGCCCATTCCTGCCTCTTTGAAGAGAGCAGTCAGCATTCTTAGCAGTG
AGTTTCTGTTCTGTTGGATGACTTTGAGATTTATCTTTGTTTCTGTTGGAATTGTTCAAATGTTCTTTTAACA
AATGGTTGGATGAACTTCAGCATCCAAGTTTATGAATGACAGTAGTCACACATAGTGCTGTTTATATAGTTTAGG
GGTAAGAGTCTGTTTTTTATTTCAGATTGGGAAATCCATTCCATTTTGTGAGTTGTACATAATAACAGCAGTGG
AATATGTATTTGCCTATATTGTGAACGAATTAGCAGTAAAATACATGATACAAGGAACTCAAAAGATAGTTAATT
CTTGCCTTATACCTCAGTCTATTATGTAAAAATTAAAAATATGTGTATGTTTTTGCTTCTTTGAGAATGCAAAAGA
AATTAAATCTGAATAAATAA

6832/6881

FIGURE 6314

MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQQTASSSSTLVEVTLGEVPAADSPSPPHSPQGASSFSTTI
NYTLWRQSDEGSSNQEEEGPRMFPDLESEFQAAISRKMVELVHFLLLKYRAREPVTKAEMLESVLRNCQDFFPVI
FSKASEYLQLVFGIEVVEVVPISHLYILVTCLGLSYDGLLDGNQVMPKTGLLIIVLAI IAIEGDCAPEEKIWEEL
SMLEVFEGREDSVFAHPRKLLMQDLVQENYLEYRQVPGSDPACYEFLWGPRALIETSYVKVLHHTLKIGGEPHIS
YPPLHERALREGEE

6833/6881
FIGURE 6315

CGGCCTGACGTCCGGCGGAGGGAAGCAGGCGCAGGCTCCGTGAGGAGGCAAGGTTCTGAGGGGGACAGGCTGACAA
GTAGGACCCGAGGCACTGGAGGAGCATTGAAGGAGAAGATCTGCCTGTGGGTCTTCATTGCCCAGCTCCTGCCCCG
CACTCCTGCCCTGCTGCCCTGACCAGAGTCATCATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAG
GCCTTGAGGCCCCGAGGAGAGGCCCTGGGCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCGCTT
CTTCCTCTTCTACTCTAGTGAAGTTACCTTGGGGGAGGTGCCTGCTGCCGACTCACCGAGTCCTCCCCACAGTC
CTCAGGGAGCCTCCAGCTTCTCGACTACCATCAACTACACTCTTTGGAGACAATCCGATGAGGGGCTCCAGCAACC
AAGAAGAGGAGGGGCCAAGAATGTTTCCCGACCTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTG
AGTTGGTTCATTTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTGTCC
TCAGAAATTGCCAGGACTTCTTTCCCGTGATCTTCAGCAAAGCCTCCGAGTACTTGACAGCTGGTCTTTGGCATCG
AGGTGGTGAAGTGGTCCCCATCAGCCACTTGTACATCCTTGTACCTGCCTGGGCCTCTCCTACGATGGCCTGC
TGGGCGACAATCAGGTCATGCCCAAGACAGGCCTCCTGATAATCGTCCTGGCCATAATCGCAATAGAGGGCGACT
GTGCCCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTATGTTGGAGGTGTTTGAGGGGAGGGAGGACAGTGTCTTCG
CACATCCCAGGAAGCTGCTCATGCAAGATCTGGTGCAGGAAAACCTACCTGGAGTACCGGCAGGTGCCCCGGCAGTG
ATCCTGTCATGCTACGAGTTCCTGTGGGGTCCAAGGGCCCTCATTGAAACCAGCTATGTGAAAGTCTGCAACCATA
CACTAAAGATCGGTGGAGAACCTCACATTTCTACCCACCCCTGCATGAACGGGCTTTGAGAGAGGGAGAAGAGT
GAGTCTCAGCACATGTTGCAGCCAGGGCCAGTGGGAGGGGGTCTGGGCCAGTGACCTTCAGGGCCCCATCCAT
TAGCTTCCACTGCCTCGTGTGATATGAGGCCCATTCCTGCCTCTTTGAAGAGAGCAGTCAGCATTCTTAGCAGTG
AGTTTCTGTTCTGTTGGATGACTTTGAGATTTATCTTTGTTTCTGTTGGAATTGTTCAAATGTTCTTTTAACA
AATGGTTGGATGAACTTCAGCATCCAAGTTTATGAATGACAGTAGTCACACATAGTGCTGTTTATATAGTTTAGG
GGTAAGAGTCTGTTTTTTTATTAGATTGGGAAATCCATTCCATTTTGTGAGTTGTACATAATAACAGCAGTGG
AATATGTATTTGCCTATATTGTGAACGAATTAGCAGTAAAATACATGATACAAGGAACCAAAAGATAGTTAATT
CTTGCCTTATACCTCAGTCTATTATGTAAAATTAAAAATATGTGTATGTTTTTGCTTCTTTGAGAATGCAAAAGA
AATTAAATCTGAATAAATAA

6834/6881
FIGURE 6316

GAGATTCTCGCCCTGAGCAACGAGCGACGGCCTGACGTGGCGGAGGGGAAGCCGGGCCAGGCTCGGTGAGGAGGC
AAGGTTCTGAGGGGACAGGCTGACCTGGAGGACCAGAGGCCCCGGAGGAGCACTGAAGGAGAAGATCTGCCAGT
GGGTCTCCATTGCCAGCTCCTGCCCACACTCCCGCCTGTTGCCCTGACCAGAGTCATC**ATG**CCTCTTGAGCAGA
GGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCCCGAGGAGAGGCCCTGGGCCTGGTGGGTGCGCAGGCTC
CTGCTACTGAGGAGCAGGAGGCTGCCTCCTCCTCTCTACTCTAGTTGAAGTCACCCCTGGGGGAGGTGCCTGCTG
CCGAGTCACCAGATCCTCCCCAGAGTCCTCAGGGAGCCTCCAGCCTCCCCACTACCATGAACCTACCCTCTCTGGA
GCCAATCCTATGAGGACTCCAGCAACCAAGAAGAGGAGGGGCCAAGCACCTTCCCTGACCTGGAGTCCGAGTTCC
AAGCAGCACTCAGTAGGAAGGTGGCCGAGTTGGTTCATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCA
CAAAGGCAGAAATGCTGGGGAGTGTCTCGTGGAAATGGCAGTATTTCTTTCTGTGATCTTCAGCAAAGCTTCCA
GTTCTTGTCAGCTGGTCTTTGGCATCGAGCTGATGGAAGTGGACCCCATCGGCCACTTGTACATCTTTGCCACCT
GCCTGGGCCTCTCCTACGATGGCCTGCTGGGTGACAATCAGATCATGCCCAAGGCAGGCCTCCTGATAATCGTCC
TGGCCATAATCGCAAGAGAGGGGCGACTGTGCCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTTAGAGGTGT
TTGAGGGGAGGGGAAGACAGTATCTTGGGGGATCCCAAGAAGCTGCTCACCCAACATTTCTGTCAGGAAAACCTACC
TGGAGTACCGGCAGGTCCCCGGCAGTGATCCTGCATGTTATGAATTCCTGTGGGGTCCAAGGGCCCTCGTTGAAA
CCAGCTATGTGAAAGTCCTGCACCATATGGTAAAGATCAGTGGAGGACCTCACATTTCTACCCACCCCTGCATG
AGTGGGTTTTGAGAGAGGGGGAAGAG**TG**AGTCTGAGCACGAGTTGCAGCCAGGGCCAGTGGGAGGGGGTCTGGGC
CAGTGCACCTTCCGGGGCCGCATCCCTTAGTTTCCACTGCCTCCTGTGACGTGAGGCCCATTTCTTCACTCTTTGA
AGCGAGCAGTCAGCATTCTTAGTAGTGGGTTTCTGTTCTGTTGGATGACTTTGAGATTATTCTTTGTTTCTGTT
GGAGTTGTTCAAATGTTCTTTTAAACGGATGGTTGAATGAGCGTCAGCATCCAGGTTTATGAATGACAGTAGTCA
CACATAGTCTGTTTATATAGTTTAGGAGTAAGAGTCTTGTTTTTACTCAAATTGGGAAATCCATTCCATTTTG
TGAATTGTGACATAATAATAGCAGTGGTAAAAGTATTTGCTTAAATTTGTGAGCGAATTAGCAATAACATACATG
AGATAACTCAAGAAATCAAAGATAGTTGATTCTTGCCCTGTACCTCAATCTATTCTGTAAAATTAAACAAATAT
GCAAAACCAGGATTTCTTTGACTTCTTTGAGAATGCAAGCGAAATTAAATCTGAATAAATAATTCTTCTCTCCAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

6835/6881
FIGURE 6317

MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEAASSSSTLVEVTLGEVPAAESPDPPQSPQGASSLP TTM
NYPLWSQSYEDSSNQEEEGPSTFPDLESEFQAALSRKVAELVHFLLLKYRAREPVTKAEMLGSVVGNWQYFFPVI
FSKASSSLQLVFGIELMEVDPIGHLYIFATCLGLSYDGLLDNQIMPKAGLLIIVLAIAREGDCAPEEKIWEEL
SVLEVFEGREDSILGDPKKLLTQHFVQENYLEYRQVFGSDPACYEFLWGPRALVETSYVKVLHMHMVKISGGPHIS
YPPLHEWVLREGEE

6836/6881
FIGURE 6318

GAGCAGCGCGGCTGACGGGACCAAGGCGGCGGGAGTCTGCGGTCGTTCCCTCGGCTGTGGACCGGGCGGCACGC
ACGCGGTGCAGGGTAACATGGCGGATGCGGAAGTAATTATTTTGCCAAAGAAACATAAGAAGAAAAAGGAGCGGA
AGTCATTGCCAGAAGAAGATGTAGCCGAAATACAACACGCTGAAGAATTTCTTATCAAACCTGAATCCAAAGTTG
CTAAGTTGGACACGTCTCAGTGGCCCCCTTTTGCTAAAGAATTTTGATAAGCTGAATGTAAGGACAACACACTATA
CACCTCTTGCATGTGGTTCAAATCCTCTGAAGAGAGAGATTGGGGACTATATCAGGACAGGTTTCATTAAATCTTG
ACAAGCCCTCTAACCCTCTTCCCATGAGGTGGTAGCCTGGATTTCGACGGATACTTCGGGTGGAGAAGACAGGGC
ACAGTGGTACTCTGGATCCCAAGGTGACTGGTTGTTTAATCGTGTGCATAGAACGAGCCACTCGCTTGGTGAAGT
CACAACAGAGTGCAGGCAAAGAGTATGTGGGGATTGTCCGGCTGCACAATGCTATTGAAGGGGGGACCCAGCTTT
CTAGGGCCCTAGAACTCTGACAGGTGCCTTATTCAGCGACCCCCACTTATTGCTGCAGTAAAGAGGCAGCTCC
GAGTGAGGACCATCTACGAGAGCAAAATGATTGAATACGATCCTGAAAGAAGATTAGGAATCTTTTGGGTGAGTT
GTGAGGCTGGCACCTACATTTCGGACATTATGTGTGCACCTTGGTTTGTATTGGGAGTTGGTGGTCAGATGCAGG
AGCTTCGGAGGGTTTCGTTCTGGAGTCATGAGTGAAAAGGACCACATGGTGACAATGCATGATGTGCTTGATGCTC
AGTGGCTGTATGATAACCACAAGGATGAGAGTTACCTGCGGCGAGTTGTTTACCCTTTGGAAAAGCTGTTGACAT
CTCATAAACGGCTGGTTATGAAAGACAGTGCAGTAAATGCCATCTGCTATGGGGCCAAGATTATGCTTCCAGGTG
TTCTTCGATATGAGGACGGCATTGAGGTCAATCAGGAGATTGTGGTTATCACCACCAAAGGAGAAGCAATCTGCA
TGGCTATTGCATTAATGACCACAGCGGTCTCTCTACCTGCGACCATGGTATAGTAGCCAAGATCAAGAGAGTGA
TCATGGAGAGAGACACTTACCCTCGGAAGTGGGGTTTAGGTCCAAAGGCAAGTCAGAAGAAGCTGATGATCAAGC
AGGGCCTTCTGGACAAGCATGGGAAGCCCACAGACAGCACACCTGCCACCTGGAAGCAGGAGTATGTTGACTACA
GTGAGTCTGCCAAAAAAGAGGTGGTTGCTGAAGTGGTAAAAGCCCCGCAGGTAGTTGCCGAAGCAGCAAAAACTG
CGAAGCGGAAGCGAGAGAGTGAGAGTGAAAGTGACGAGACTCCTCCAGCAGCTCCTCAGTTGATCAAGAAGGAAA
AGAAGAAGAGTAAGAAGGACAAGAAGGCCAAAGCTGGTCTGGAGAGCGGGCCGAGCCTGGAGATGGGGACAGTG
ATACCACCAAGAAGAAGAAGAAGAAGAAGGAAAGCAAAAGAGGTAGAATTGGTTTCTGAGTAGTGAAGGCCACTTG
AAGCTGGAGGAGAACTAAAGCCTTATTGAGAAAACATGTTATAGATCCTTTTGTGCTGAGAGAGTGGAACATA
GGTCTTAGACAGGGTGAAGAGTTCTGGCACATTTTAGCTGCTACTTTGAGACCTCGGTGATGTTACCTGGTGTGG
TCATCCCATCTTGTCTCTGTTTAAAGGATATGGGTGGTGAAAGATGAAAGAGGCAGAGTTTATCCCAATGACTTCT
CTGTTTGAGTTGGGAAGCCTCACCTTCAGACCCAGTAACTGTCCGCAGCTGTCTGCTAGTGGTTGTCTTAACATC
GTAGTCCTAGTTTGCATTTTAAATCCCCTCTGTTTAAAAGGTTTGTAAAACAAAAACAAAAAATAAGTCTGC
TCAGTGAAATGCTGTAGAACCCTAAATAAGTGGTAGAAGAGTGTCACTGAATTTTGTCTCTGAATTCAGTATAAC
TGAGTTTGTCCATGCTGGTGTCTGGGTTATAGGCCTGATGGGCCTGGTAGTTTTCATCTTGTCTGGCCTAGA
GGTCAGTCCTTTGCACTTCCTCAAAGCTTGTGTACAGTGCTCACCTAAATCCATCTGACTACTTGTTCCTGTGCC
CTCTTGTTTTAGGCCTCGTTTACTTTTAAAAAATGAAATTGTTTATTGCTGGGAGAAGAATGTTGTAATTTTAC
TTATTAAAGTCAACTTGTAAAGTTTTTATGTATTCTGTTGGGTTTTCTTGTGATCTCATGCTAGCAGAGCAA
AAATTGTAAATATTTTGATTAAAAATCTAGGGACCTTTATGTCCTATTTGGAATTCGATATCAA

6837/6881
FIGURE 6319

MADAEVIILPKKHKKKKERKSLPEEDVAEIQHAEEFLIKPESKVAKLDTSQWPLLLKNFDKLNVRTTHYTPLACG
SNPLKREIGDYIRTGFINLDKPSNPSSHEVVAWIRRIILRVEKTGHSGTLDPKVTGCLIVCIERATRLVKSQQSAG
KEYVGIVRLHNAIEGGTQLSRALETLTGALFQRPPLIAAVKRQLRVRTIYESKMIEYDPERRLGIFWVSCEAGTY
IRTL CVHLGLLLGVGGQMQLRRVRSQVMSEKDHMTMHDVLD AQWLYDNHKDESYLRRVVYPLEKLLTSHKRLV
MKDSAVNAICYGAKIMLPGLRYEDGIEVNQEIVVITTKGEAICMAIALMTTAVISTCDHGIVAKIKRVIMERDT
YPRKWGLGPKASQKKLMIKQGLLDKHGKPTDSTPATWKQEYVDYSES AKKEVVAEVVKAPQVVAEAAKTAKRKRE
SESESEDETPPAAPQLIKKEKKKSKDKKAKAGLESGAEPGDGSDTTKKKKKKKKAKEVELVSE

6838/6881
FIGURE 6320

AGGGACAGCCCAGAGGAGGCGTGGCCACGCTGCCGGCGGAAGTGGAGCCCTCCGCGAGCGCGAGGCGCCGGG
GCAGGCGGGGAAACCGGACAGTAGGGGCGGGGCCGGGCCGGCGATGGGGATGCGGGAGCACTACGCGGAGCTGCA
CCCGTGCCCGCCGGAATTGGGGATGCAGAGCAGCGGCAGCGGGTATGGCAGGCAGCCGGCGGGGCCGGCCTCCAGC
GCAGGTGCCCAGAGAGGAGGGGCTGGCCTGGGATGCGCGCGCACCTGCCCTCGCCCCGCCCGCCCGCACGAGGG
GTGGTGGCCGAGGCCCCGCCCGCACGCTCGCCTGAGGCGGGTCCGCTCAGCCCAGGCGCCCGCCCCGCCCGC
GCCGATTAAATGGGCCGGCGGGGCTCAGCCCCCGAAACGGTCGTACACTTCGGGGCTGCGAGCGCGGAGGGCGA
CGACGACGAAGCGCAGACAGCGTCATGGCAGAGCAGGTGGCCCTGAGCCGACCCAGGTGTGCGGGATCCTGCGG
GAAGAGCTTTTCCAGGGCGATGCCTTCCATCAGTCGGATACACACATATTCATCATCATGGGTGCATCGGGTGAC
CTGGCCAAGAAGAAGATCTACCCACCATCTGGTGGCTGTTCCGGGATGGCCTTCTGCCCCGAAACACCTTCATC
ATGGGCTATGCCCGTTCCCGCCTCACAGTGGCTGACATCCGCAAACAGAGTGAGCCCTTCTTCAAGGCCACCCCA
GAGGAGAAGCTCAAGCTGGAGGACTTCTTTGCCCGCAACTCCTATGTGGCTGGCCAGTACGATGATGCAGCCTCC
TACCAGCGCCTCAACAGCCACATGGATGCCCTCCACCTGGGGTCACAGGCCAACCGCCTCTTCTACCTGGCCTTG
CCCCGACCCTCTACGAGGCCGTACCAAGAACATTACAGAGTCCTGCATGAGCCAGATAGGCTGGAACCGCATC
ATCGTGGAGAAGCCCTTCGGGAGGGACCTGCAGAGCTCTGACCGGCTGTCCAACCACATCTCCTCCCTGTTCCGT
GAGGACCAGATCTACCGCATCGACCACTACCTGGGCAAGGAGATGGTGCAGAACCTCATGGTGTGAGATTTGCC
AACAGGATCTTCGGCCCCATCTGGAACCGGGACAACATCGCCTGCGTTATCCTCACCTTCAAGGAGCCCTTTGGC
ACTGAGGGTCGCGGGGGCTATTTTCGATGAATTTGGGATCATCCGGGACGTGATGCAGAACCACCTACTGCAGATG
CTGTGTCTGGTGGCCATGGAGAAGCCCGCCTCCACCAACTCAGATGACGTCCGTGATGAGAAGGTCAAGGTGTTG
AAATGCATCTCAGAGGTGCAGGCCAACAATGTGGTCTTGGGCCAGTACGTGGGGAACCCCGATGGAGAGGGCGAG
GCCACCAAAGGGTACCTGGACGACCCACGCTGCCCCGCGGGTCCACCACCGCCACTTTTGCAGCCGTGCTCCTC
TATGTGGAGAATGAGAGGTGGGATGGGGTGCCCTTCATCCTGCGCTGCGGCAAGGCCCTGAACGAGCGCAAGGCC
GAGGTGAGGCTGCAGTTCCATGATGTGGCCGGCGACATCTTCCACCAGCAGTGCAAGCGCAACGAGCTGGTGATC
CGCGTGACGCCCAACGAGGCCGTGTACACCAAGATGATGACCAAGAAGCCGGGCATGTTCTTCAACCCCGAGGAG
TCGGAGCTGGACCTGACCTACGGCAACAGATACAAGAACGTGAAGCTCCCTGACGCCTACGAGCGCCTCATCCTG
GACGTCTTCTGCGGGAGCCAGATGCACTTCGTGCGCAGCGACGAGCTCCGTGAGGCCTGGCGTATTTTACCCCCA
CTGCTGCACCAGATTGAGCTGGAGAAGCCCAAGCCCATCCCCTATATTTATGGCAGCCGAGGCCCCACGGAGGCA
GACGAGCTGATGAAGAGAGTGGGTTTCCAGTATGAGGGCACCTACAAGTGGGTGAACCCCAACAAGCTCTGAGCC
CTGGGCACCCACCTCCACCCCGCCACGGCCACCCTCCTTCCCGCCGCCGACCCCGAGTCGGGAGGACTCCGGG
ACCATTGACCTCAGCTGCACATTCTTGGCCCCGGGCTCTGGCCACCCTGGCCCCGCCCTCGCTGCTGCTACTACC
CGAGCCCAGCTACATTCTCAGCTGCCAAGCACTCGAGACCATCTTGGCCCCCTCCAGACCCTGCCTGAGCCCAGG
AGCTGAGTCACCTCCTCCACTCACTCCAGCCCAACAGAAGGAAGGAGGAGGGCGCCATTTCGTCTGTCCCAGAGC
TTATTGGCCACTGGGTCTCACTCCTGAGTGGGGCCAGGGTGGGAGGGAGGGACAAGGGGGAGGAAAGGGGCGAGC
ACCCACGTGAGAGAATCTGCCTGTGGCCTTGCCCGCCAGCCTCAGTGCCACTTGACATTCTTGTACACAGCAAC
ATCTCGAGCCCCCTGGATGTCCCCTGTCCACCAACTCTGCACTCCATGGCCACCCCGTGCCACCCGTAGGCAGC
CTCTCTGCTATAAGAAAAGCAGACGCAGCAGCTGGGACCCCTCCCAACCTCAATGCCCTGCCATTAAATCCGCAA
ACAGCC

6839/6881
FIGURE 6321

GAGCTCGCGGGCGACTGCCTGCCAGGCAGACGCTGCAGCTAAGCTGCGCGGTGGCTGTGGCAGGTGAGAGCCTCC
GGAAGGGAGGCGGCCTCTGGCCCCGACCCTGCTCCGCGATCGCCCACTCGGGCGCCCGGCCGGGCTGGCAGGGA
AGGGCCGCGCCGCGCCGCGCGTTTTGCGAGGCCTGGCGGGGCCGCGGGGCCAGGAATGGCGTAAGGGGCCCCC
CCAGACTCCGAGACGGCCCCGAGCGGGTTCGCCGGCTGTGGGACGGCGGGCTGCCCTTCCTTTCCCTCCCTCCAGGT
TCGCGCCCGAGCTCTGCTAGCCACCCGTCGACAACTTCCGGACTCCAGGGACAGCCCTGCCATCAAGGAAGAC
AGCACAGGACTGGGACCCACCCATGAACCCCTTCTCAGGACAACCAACAGCACCAGTGGGGATGTTCTCCTAAGC
CGCAGAGGGCCTGGGCACGCCATCCGTCCTCCAGGAAGAGCCATCGTGTTAATGCAGGACAAGGGCAGCTCTCAG
CAGTGGCCTGGTCTGGGGGGCGAGGGTGGTGGCACAGGTCCCTTAAGCATGCTCAGAGCTGCCCTGCTGCTCATC
AGCCTGCCATGGGGGGCCCAAGGGACAGCCAGCACCAGCCTCAGCACTGCTGGGGGTACACCCGTGCCACCGACT
GGGGGCCGCTACTTGAGCATTGGAGATGGCTCTGTGATGGAGTTTGAGTTTCCTGAGGACAGTGAGGGCATCATC
GTGATCTCCAGCCAGTACCCAGGCCAGGCCAACAGGACGGCGCCTGGCCCCATGCTCAGGGTCACCTCCCTGGAC
ACAGAGGTGCTGACCATCAAGAACGTGAGTGCTATAACCTGGGGAGGCGGGGGTGGCTTTGTGGTGAGCATCCAC
TCAGGCCTGGCTGGGCTGGCCCCACTCCACATCCAGCTCGTGACGCCCATGAGGCCCCGCCACACTGATTGAG
GAGCGGAGAGACTTCTGCATCAAGGTCTCACCTGCTGAAGACACGCCTGCCACCCTCAGCGCCGACCTGGCCAC
TTCTCGGAAAACCCAATCCTCTACCTGCTCCTGCCTCTTATCTTTGTCAACAAGTGTTTCGTTTGGGTGCAAAGTG
GAACTCGAGGTTCTGAAGGGGCTCATGCAGAGCCCCCAGCCCATGCTGCTGGGCCTCCTGGGCCAGTTTCTGGTC
ATGCCCTTGTAAGCTTTCTCATGGCCAAGGTCTTCATGCTGCCCAAGGCCCTGGCTCTGGGCCTCATCATCACC
TGCTCGTCGCTGGCGGGCGGGGGAGCTACCTCTTCAGCCTCCTTCTTGGAGGGGACGTCACCCTGGCCATCTCC
ATGACTTTCTCTCTACGGTGGCTGCCACTGGCTTCTTGCTCTGTCTTCGGCCATCTACAGCCGCCTGCTCAGC
ATCCATGAGACGCTCCACGTGCCCATCTCCAAGATCCTGGGGACCCTGCTGTTTATTGCCATCCCCATAGCCGTG
GGCGTGCTGATCAAGTCCAAGCTCCCCAAGTTCTCCCAGCTGCTGCTGCAGGTGCTCAAGCCCTTCAGCTTTGTG
CTCCTCCTGGGCGGCCTCTTCCTGGCCTATCGCATGGGGGTCTTCATCCTGGCAGGCATCCGGCTACCCATCGTA
CTGGTGGGTATCACGGTGGCCCTGGTTGGCCTGTTGGTGGGCTACTGCCTAGCCACGTGTCTGAAGCTGCCAGTG
GCCCAGCGGCGGACGGTCAGCATTGAGGTAGGGGTGCAGAACAGCCTGCTGGCCTTGGCCATGCTGCAGCTATCC
CTCCGCCGCCTTCAAGCTGACTATGCCTCCCAGGCCCCCTTCATTGTGGCGCTGAGCGGCACCTCCGAGATGCTG
GCCTTGGTCAATTGGCCACTTCATCTACAGCAGCCTGTTCCAGTTCCCTTGAGGCCTCTGGGTCAAGCTTTTCATCA
GCCCCAGCCCCACACTCCACCAAAGTTCTCATGCACTATGCACTCAGAAAAATCCAGGCTTATTTTTTTTACTGA
TTTTTTATTCTCCAGCTTTTCAGTGCCAAAGAGGCCATGCTGAGTTAGGTAGGTGGGCGCTGCCAGAAAAATATAT
TTCAATAAAAGAGAGAAGCAAGC

6840/6881
FIGURE 6322

MVLMQDKGSSQQWPGLGEGGGGTGPLSMLRAALLISLPWGAQGTASTSLSTAGGHTVPPTGGRYLSIGDGSVME
FEFPEDSEGIIVISSQYPGQANRTAPGPMLRVTS�DTEVLTIKNVSAITWGGGGGFVVSIHSGLAGLAPLHIQLV
DAHEAPPTLIEERRDFCIKVSPAEDTPATLSADLAHFSENPIYLLPLIFVNKCSFGCKVELEVLIKGLMQSPQP
MLLGLLGQFLVMPLYAFIMAKVFMLPKALALGLIITCSPGGGGSYLFSLLLGGDVTLAISMTFLSTVAATGFLP
LSSAIYSRLLSIHETLHVPISKILGTLLFIAPIAVGVLIKSKLPKFSQLLLQVVKPFSFVLLLGGLFLAYRMGV
FILAGIRLPIVLVGITVPLVGLLVGYCLATCLKLPVAQRRTVSIIEVGVQNSLLALAMLQLSLRRLQADYASQAPF
IVALSGTSEMLALVIGHFIYSSLPVP

6841/6881

FIGURE 6323

[illegible]

6842/6881
FIGURE 6324

MAQYKGAASEAGRAMHLMKKREKQREQMEQMKQRIAEENIMKSNIDKKFSAHYDAVEAELKSSTVGLVTLNDMKA
KQEALVKEREKQLAKKEQSKELQMKLEKLREKERKKEAKRKISSLSFTLEEEEEEGGEEEEEAAMYEEEMEREET
TKKRKLGKNPDVDTSFDPDRDREEEENRLREELRQEWAKQEKIKSEEIEITFSYWDGSGHRRTVKMRKGNTMQQ
FLQKALEILRKDFSELRSAGVEQLMYIKEDLIIPHHSFYDFIVTKARGKSGPLFNFDVHDDVRLLSDATVEKDE
SHAGKVVLRSWYEKNKHIFPASRWEPYDPEKKWDKYTIR

6843/6881
FIGURE 6325

CTTGAACGCCTGACCTCGTATCCACCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACGCC
CAGCCCATAATTTATTGATTTTTTAAAATTTGTCCAGCCTTCTATTACCACGTCGAATCCATTAGCTACAGCCAT
CCCATGAGAAGCTGAGTGGATTACAGCCCCACCTCCTGCTCAGACCCCTGTCCGAGCACCTCATTTGTCCCAACA
GCATTACTGCAGGACCCCCAGGACGTTGGACTGCCAGCTCCCTGGGTCTCCTCCTCTCTGGGGCAGATCCTCAGT
CCTCCCTTGACTTCACGACTGTGGCCAGATCATGTGTGGACTGTCCCTCTCTTTGGGTCTCCAGAGCGCTTGAT
CAAACACCCCTAACTCAGAAGTGTGCAGCCACACTGGGACTCAGAACCCAACAACAGGGACAGAAGACTCACGCC
CTTGGGGTGGCCGGTCTCGTGGCATCAGGCATGACTTCAGCTCCTGCGCCTTCCCCAGCAACTGCTGACTGGGG
ACCCAGACCGGGAGCTGAGCGACGGGCCTGGCGAGCGAAGCTCGGGGTCTCACTCAGGCACCAGCCCCCTCCTTGC
CCCAGGCTTGAGTGACTCACAGCCCTATTAGGCAGGAGCTGCTCTTCTGGGGTATCGCGATCCACTTAAGGATG
AGGCAGACTTGGTGACAAGCTGGTCTGAGCAGCGCCTCCAGAGCCAGAACTGAGCCCAGTGAGAGCGCACCCCTGG
GGCAGCCTGGATTCTTGGGGTGTCCCGGCAGCCACACACAGCCATGCACTACCCAAGTGCCTCTCTTCTCA
TCCTGGCCAATGGGGCCAGGCCTTTCGCATCTGCGCCTTCAATGCCAGCGGCTGACACTGGCCAAGGTGGCCA
GGGAGCAGGTGATGGACACCTTAGTTTCGGATACTGGCTCGCTGTGACATCATGGTGTGTCAGGAGGTGGTGGACT
CTTCCGGCAGCGCCATCCCGCTCCTGCTTCGAGAACTCAATCGATTTGATGGCTCTGGGCCCTACAGCACCCCTGA
GCAGCCCCCAGCTGGGGCGCAGCACCTACATGGAGACGTATGTGTACTTCTATCGGTACACAAAAACAGGTCC
TGAGTTCTTACGTGTACAACGATGAGGATGACGTCTTTGCCCGGGAGCCATTTGTGGCCCAGTTCTCTTTGCCCA
GCAATGTCCTTCCAGCCTGGTGTGGTCCCGCTGCACACCACTCCTAAGGCCGTAGAGAAGGAGCTGAACGCCC
TCTACGATGTGTTTCTGGAGGTCTCCAGCACTGGCAGAGCAAGGACGTGATCCTGCTTGGGGACTTCAATGCTG
ACTGCGCTTCACTGACCAAAAAGCGCCTGGACAAGCTGGAGCTGCGGACTGAGCCAGGCTTCACTGGGTGATTG
CCGATGGGGAGGACACCACAGTGCGGGCCAGCACCACTGCACCTATGCCCGCGTCTGCTGCACGGGGAGCGCT
GCCGGAGTCTGCTGCACACTGCGGCTGCCTTTGACTTCCCCACGAGCTTCCAGCTCACCGAGGAGGAGGCCCTCA
ACATCAGTGACCACTACCCCGTGGAGGTGGAGCTGAAGCTGAGCCAGGCGCACAGCGTCCAGCCTCTCAGCCTCA
CTGTTCTGTTGCTGCTATCACTCCTGTCCCTCAGCTGTGCCCTGCTGCCTGAGCGTCCCCCTACCCCCCAGGG
CCTGCTGCCTTTTGGGACTTAAACCCCAGCCTCCCCCGTCCATCCAGCCCTGGGGCTGGGGGGCTTCAACTATAG
TTGCCCTGTGACTGTAGTCCACCCCTGCCTGCCTTGTGTTGATTGGCTCTTGTCTTTGGTTGGGCTTGTGCCTA
GATTAGGAGAGGAAGCCAGGGGCCCTGCACCTCATGCCACCTGCCAGGTAGTGTAGTATCAGGAGTGGAGACAAAG
TGGGCTCTGGGTGGGGTAGGGGAAGGGAGGGTTTCAGAAAGAGGAATGAAGATGTTGTATGACAAGAAGGAAAGT
TACTGAGAACAACCAACCCAGATTGGTGAGATAGGACACTTGTGCAGCAGATATGCCAATGGGCCATGTTTATTGT
GGATTGGTAAGAATCACCAGGAAACCATTAAGCCCCAATAGCTACAAGGAGGGTGGTTAATCTGCTATATCAAAC
TCCTTCCCTGAAACCAGCAAACACCGGGAACATTTTGGCTCATTATAATCCGGTGAACAATGCAGTCAGGCCTG
TTATAACCGCTGAGCAGCCACACTCGCACCTCCTGGGTGCTGTAGTCTGTGTTGGTACAGGCTTCTGCATGCCTG
GTAAAGGTCCAGCCAAGGCTGGTCAAGGCAACATCTCCACACAGAAAATCTGCACCAGTTATGTAAGCTAAAAAG
CTGTGTGAACCCAGGTGTCCCGGAAAGGGGCTGCAGGACACAGCAAAATGCCAGCAGCATGCCGGACCCCTCCCT
TCCATCCTCCTCTCCAAAGAAGAGAGGTGAGAAAAACACTGGCTGGGACGCTAGAAGGGTCATGTGTTAACTAT
AATCACATTTATGTTTGAACCATCACCCCAAGGTAAAAAATAAAGGTATTCCCAGGTATGTTTGGCAA
AATAAAATAAAGGTAATTAAAAACCT

6844/6881
FIGURE 6326

CTCTTTCCCTTCGGTGTGCCACTGAAGATCCTGGTGTGCGCCATGGGCCGCCGCCCGCCCGCTTGTACCGGTATT
GTAAGAACAAGCCGTACCCAAAGTCTCGCTTCTGCCGAGGTGTCCCTGATGCCAAGATTGCGATTTTGTACCTGG
GGCGGAAAAAGGCAAAAGTGGATGAGTTTCCGCTTTGTGGCCACATGGTGTGAGATGAATATGAGCAGCTGTCTT
CTGAAGCCCTGGAGGCTGCCCCGAATTTGTGCCAATAAGTACATGGTAAAAAGTTGTGGCAAAGATGGCTTCCATA
TCCGGGTGCGGCTCCACCCCTTCCACGTCATCCGCATCAACAAGATGTTGTCTGTGCTGGGGCTGACAGGCTCC
AAACAGGCATGCGAGGTGCCTTTGGAAAGCCCCAGGGCACTGTGGCCAGGGTTCACATTGGCCAAGTTATCATGT
CCATCCGCACCAAGCTGCAGAACAAGGAGCATGTGATTGAGGCCCTGCGCAGGGCCAAGTTCAAGTTTCTTGGCC
GCCAGAAGATCCACATCTCAAAGAAGTGGGGCTTCACCAAGTTCAATGCTGATGAATTTGAAGACATGGTGGCTG
AAAAGCGGCTCATCCAGATGGCTGTGGGGTCAAGTACATCCCCAGTCGTGGCCCTCTGGACAAGTGGCGGGCCC
TGCACTCATGAGGGCTTCCAATGTGCTGCCCCCTCTTAATACTACCAATAAATTCTACTTCTGTCCACCTAT
GTCTTTGTATCTACATTCTTGACGGGGAAGGAACCTTCTCTGGGAACCTTTGGGTCATTGCCCTTCTACTTCAGA
AACAGGTTGACAACCTCAGCCCTGCTCATGAGGCAGCAAACCTGCAAAGGGCTGGGACTGGTGGCCTTATGTCAG
TTGTCTACTCTGGAGCTTGACTTGACCTCCCCAGGTCCTAGGCAGTAGGTTGAAAAACACTGAAGTGCTTTTCA
TGAAGCACAGCTGCAGCAAAGCCTTGCAATCCCAGGCTGGGGTACAGCTACAGTTGTGTTGCTTATTACAACACA
TGCGGACCAAGAGGGGCTTGTGGGCTAGAGGCTGACCAGCAGCGTTTATTTAGCAAGGGTAGGTGTGCATCACAT
TGGGCTTGTCTCACCCATCTGGTTTGGCCATTCTCTCTTGGTGGGAATCATCCAGGTACTGCTGAGGTCACCTG
CGATTTGCCCCATTTCTATCTCTAGCAACCTCTGGGCCCCATGCCCCACCCCTTCTAGAACCTGCATTCCCA
GGGCTTACCACCTGACCAAAGGTCTAGGCTAACCTTTGGTCATTTGTAAACAAGACCTCGGAACAGACACGTGT
GTGGCATGGTTTGGCCTGGGGATCTTAGATGTCTGACCTGAACTATTGTAGAACAGCGCTGGCTTTTGGGGGAGC
AGCAAAAATGAGAGGAGTGCTAGGTGGGTGGCCTGAGCATCTGTATCCAGGGACAGGACTCCAAAGGCTTTTGGT
CCCAGAGCTGGGGTATGTTGGCCCCAGCCCCAGCCTGTGGCTCCCAAAAGGCTCTGGTTTTTTGTAAATCTCAG
TTTACAGCCATTTCTTAGGTTTTTAATTACCTTTATTTTATTTTGCCAAACATACTGGGAATACCTTTTATTTT
TTTTTTACCTTGGGGTGATGGTTCCAAACCATAAATGTGATTATAGTTAACACATGACCCCTTCTAGCGTCCCAGC
CAGTGTTTTTCTGACCTCTCTTCTTTGGAGAGGAGGATGGAAGGGAGGGGTCCGGCATGCTGCTGGCATTITTC
TGTGTCTGTCAGCCCCCTTCCGGGACACCTGGGTTTACACAGCTTTTTAGCTTACATAACTGGTGCAGATTTTCT
GTGTGGAGATGTTGCCTTGACCAGCCTTGGCTGGACTTTACCAGGCATGCAGAAGCCTGTACCAACACAGACTAC
AGCACCAGGAGGTGCGAGTGTGGCTGCTCAGCGGTTATAACAGGCCTGACTGCATTGTTACCGGATTATAATG
AGCCAAAATGTTTCCCGGTGTTTGTGGTTTTCAGGGAAGGAGTTTGATATAGCAGATTAACCACCCTCCTTGTAG
CTATTGGGGCTTAATGGTTTCTTGGTGATTCTTACCAATCCACAATAAACATGGCCCATGGCATATCTGCAAAA
AAAAAAAAAAAAA

6845/6881
FIGURE 6327

MGRRPARYRYCKNKPYPKSRFCRGVPDAKIRIFDLGRKKAKVDEFPLCGHMSDEYEQLSSEALEAARICANKY
MVKSCGKDGFIHVRLHPFHVIRINKMLSCAGADRLQTGMRGAFGKPQGTVARVHIGQVIMSIRTKLQNKHEVIE
ALRRAKFKFPGRQKIHISKKWGFTKFNADEFEDMVAEKRLIPDGCGVKYIPSRGPLDKWRALHS

6846/6881
FIGURE 6328

CGGCCGGTTTTGGTAGGCCCGGGCCGCCGCCAGGCCTCCGCCTGAGCCCGCACCCGCCATGGACAACCTACGCAGA
TCTTTCGGATACCGAGCTGACCACCTTGCTGCGCCGGTACAACATCCCGCACGGGCCTGTAGTAGGATCAACTCG
TAGGCTTTACGAGAAGAAGATCTTCGAGTACGAGACCCAGAGGCGGCGGCTCTCGCCCCCAGCTCGTCCGCCGC
CTCCTCTTATAGCTTCTCTGACTTGAATTTCGACTAGAGGGGATGCAGATATGTATGATCTTCCCAAGAAAGAGGA
CGCTTTACTCTACCAGAGCAAGGGCTACAATGACGACTACTATGAAGAGAGCTACTTCACCACCAGGACTTATGG
GGAGCCCGAGTCTGCCGGCCCGTCCAGGGCTGTCCGCCAGTCAGTGACTTCATTCCCAGATGCTGACGCTTTCCA
TCACCAGGTGCATGATGACGATCTTTTGTCTTCTTCTGAAGAGGAGTGCAAGGATAGGGAACGCCCCATGTACGG
CCGGGACAGTGCCTACCAGAGCATCACGCACTACCGCCCTGTTTCAGCCTCCAGGAGCTCCCTGGACCTGTCCTA
TTATCCTACTTCTCCTCCACCTCTTTTATGTCCTCCTCATCATCTTCCTCTTCATGGCTCACCCGCCGTGCCAT
CCGGCCTGAAAACCGTGCTCCTGGGGCTGGGCTGGGCCAGGATCGCCAGGTCCCGCTCTGGGGCCAGCTGCTGCT
TTTCTGGTCTTTGTGATCGTCCTCTTCTTCAATTTACCACTTCATGCAGGCTGAAGAAGGCAACCCCTTCTAGAG
GGAGCCATGAGGGTCTGGGCTTCAGAGCTAGGTCTTTGGGGAAGTCCTGGCTGACTGCCTTAGCAGTGGGGGTGG
GGGTGGGGGCAGGGGCAGGGGCTTTATGTGTTTTTGTCTGGGGGGCGCTGGGCCTAGCCCAGAGTAGTGCTTGCT
CCCCCTGCCTTGTCCCACCAGGGAGGCAGCAGACTCAGGCCCTCCATGGTCCTCTTTGTCAATTTGTTGACATGC
ATTCTCCTTTTGTCACTTGTGTTGGGGGGAGGGGATTAACCAAAGGCCACCCTGACTTTGTTTTTGTGGACACAC
AATAAAAGCCCCGTTTATTGT

6847/6881
FIGURE 6329A

CGGATCCGGGCGCCACCCCGGGTCATCGGTCACCGGTCGCTCTCAGGAACAGCAGCGCAACCTCTGCTCCCTGC
CTCGCCTCCCGCGCGCCTAGGTGCCTGCGACTTTAATTAAAGGGCCGTCCCCTCGCCGAGGCTGCAGCACC GCC
CCCCGGCTTCTCGCGCCTCAAATGAGTAGCTCCCACTCTCGGGCGGGCCAGAGCGCAGCAGGCGCGGCTCCGGG
CGGCGGCGTCGACACGCGGGACGCCGAGATGCCGGCCACCGAGAAGGACCTGGCGGAGGACGCGCCGTGGAAGAA
GATCCAGCAGAACACTTTACGCGCTGGTGCAACGAGCACCTGAAGTGCCTGAGCAAGCGCATCGCCAACCTGCA
GACGGACCTGAGCGACGGGCTGCGGCTTATCGCGCTGTTGGAGGTGCTCAGCCAGAAGAAGATGCACCGCAAGCA
CAACCAGCGGCCCACTTTCCGCCAAATGCAGCTTGAGAACGTGTGCGGTGGCGCTCGAGTTCCTGGACCGCGAGAG
CATCAAATGGTGTCCATCGACAGCAAGGCCATCGTGACGGGAACCTGAAGCTGATCCTGGGCCTCATCTGGAC
CCTGATCCTGCACTACTCCATCTCCATGCCCATGTGGGACGAGGAGGAGGATGAGGAGGCCAAGAAGCAGACCCC
CAAGCAGAGGCTCCTGGGCTGGATCCAGAACAAGCTGCCGCAGCTGCCCATACCAACTTCAGCCGGGACTGGCA
GAGCGGCCGGGCCCTGGGCGCCCTGGTGGACAGCTGTGCCCCGGGCCTGTGTCTGACTGGGACTCTTGGGACGC
CAGCAAGCCCGTTACCAATGCGCGAGAGGCCATGCAGCAGGCGGATGACTGGCTGGGCATCCCCAGGTGATCAC
CCCCGAGGAGATTGTGGACCCCAACGTGGACGAGCACTCTGTCTGACCTACCTGTCCCAGTTCCCCAAGGCCAA
GCTGAAGCCAGGGGCTCCCTTGCGGCCCAAATGAACCCGAAGAAAGCCCGTGCCTACGGGCCAGGCATCGAGCC
CACAGGCAACATGGTGAAGAAGCGGGCAGAGTTCACTGTGGAGACCAGAAGTGCTGGCCAGGGAGAGGTGCTGGT
GTACGTGGAGGACCCGGCCGGACACCAGGAGGAGGCCAAAAGTGACCGCCAATAACGACAAGAACCGCACCTTCTC
CGTCTGGTACGTCCCCGAGGTGACGGGGACTCATAAGGTTACTGTGCTCTTTGCTGGCCAGCACATCGCCAAGAG
CCCCTTCGAGGTGTACGTGGATAAGTCACAGGGTGACGCCAGCAAAGTGACAGCCCAAGGTCCCGGCCCTGGAGCC
CAGTGGCAACATCGCCAACAAGACCACCTACTTTGAGATCTTTACGGCAGGAGCTGGCACGGGCGAGGTTCGAGGT
TGTGATCCAGGACCCCATGGGACAGAAGGGCACGGTAGAGCCTCAGCTGGAGGCCCGGGGCGACAGCACATACCG
CTGCAGCTACCAGCCCAACATGGAGGGCGTCCACACCGTGCACGTACGTTTGCCGGCGTGGCCATCCCTCGCAG
CCCCTACACTGTCACTGTTGGCCAAGCCTGTAACCCGAGTGCCTGCCGGGCGGTTGGCCGGGGCCTCCAGCCAA
GGGTGTGCGGGTGAAGGAGACAGCTGACTTCAAGGTGTACACAAAGGGCGCTGGCAGTGGGGAGCTGAAGGTAC
CGTGAAGGGCCCCAAGGGAGAGGAGCGCTGAAGCAGAAGGACCTGGGGGATGGCGTGTATGGCTTCGAGTATTA
CCCCATGGTCCCTGGAACCTATATCGTCACCATCACGTGGGGTGGTCAAGACATCGGGCGCAGTCCCTTCGAAGT
GAAGGTGGGCACCGAGTGTGGCAATCAGAAGGTACGGGCCCTGGGGCCCTGGGCTGGAGGGCGGCGTCTGTGGCAA
GTCAGCAGACTTTGTGGTGGAGGCTATCGGGGACGACGTGGGCACGCTGGGCTTCTCGGTGGAAGGGCCATCGCA
GGCTAAGATCGAATGTGACGACAAGGGCGACGGCTCCTGTGATGTGCGCTACTGGCCGCGAGGAGGTGGCGAGTA
TGCCGTTACGTGCTGTGCAACAGCGAAGACATCCGCCTCAGCCCTTCATGGCTGACATCCGTGACGCGCCCCA
GGACTTCCACCCAGACAGGGTGAAGGCACGTGGGCCTGGATTGGAGAAGACAGGTGTGGCCGTCAACAAGCCAGC
AGAGTTCACAGTGGATGCCAAGCACGGTGGCAAGGCCCACTTCGGGTCCAAGTCCAGGACAATGAAGGTGCCC
TGTGGAGGCGTTGGTCAAGGACAACGGCAATGGCACTTACAGCTGCTCCTACGTGCCCAGGAAGCCGGTGAAGCA
CACAGCCATGGTGTCTTGGGGAGGCGTCAGCATCCCCAACAGCCCTTCAGGGTGAATGTGGGAGCTGGCAGCCA
CCCCAACAAAGGTCAAAGTATACGGCCCCGGAGTAGCCAAGACAGGGCTCAAGGCCACAGACCCACCTACTTCAC
TGTGGACTGCGCCGAGGCTGGCCAGGGGGACGTACGATCGGCATCAAGTGTGCCCTGGAGTGGTAGGCCCGC
CGAAGCTGACATCGACTTCGACATCATCCGAATGACAATGACACCTTCACGGTCAAGTACACGCCCCGGGGGGC
TGGCAGCTACACCATTATGGTCTCTTTGCTGACCAGGCCACGCCACCCAGCCCCATCCGAGTCAAGGTGGAGCC
CTCTCATGACGCCAGTAAGGTGAAGGCCGAGGGCCCTGGCCTCAGTCGCACTGGTGTGCGAGCTTGGCAAGCCCAC
CCACTTCACAGTAAATGCCAAAGCTGCTGGCAAAGGCAAGCTGGACGTCCAGTTCTCAGGACTCACCAAGGGGGA
TGCAGTGCAGAGATGTGGACATCATCGACCACCATGACAACACCTACACAGTCAAGTACACGCCTGTCCAGCAGGG
TCCAGTAGGCGTCAATGTCACTTATGGAGGGGATCCCATCCCTAAGAGCCCTTTCTCAGTGGCAGTATCTCCAAG
CCTGGACCTCAGCAAGATCAAGGTGTCTGGCCTGGGAGAGAAGGTGGACGTGGCAAAGACCAGGAGTTCACAGT
CAAATCAAAGGTGCTGGTGGTCAAGGCAAAGTGGCATCCAAGATTGTGGGCCCTCGGGTGCAGCGGTGCCCTG
CAAGGTGGAGCCAGGCCTGGGGGCTGACAACAGTGTGGTGCCTTCCCTGCCCGTGAGGAAGGGCCCTATGAGGT
GGAGGTGACCTATGACGGCGTGGCCGTGGCTGGCAGCCCTTTCTCTGGAAGCTGTGGCCCCACCAAGCCTAG
CAAGGTGAAGGCGTTTGGGCCGGGGCTGCAGGGAGGCAGTGGGGCTCCCCCGCCGCTTACCATCGACACCAA
GGGCGCCGGCACAGGTGGCCTGGGCCTGACGGTGGAGGGCCCTGTGAGGCGCAGCTCGAGTGTGGACAATGG
GGATGGCACATGTTCCGTGTCTACGTGCCACCGAGCCCGGGGACTACAACATCAACATCCTCTTCGCTGACAC

6848/6881
FIGURE 6329B

CCACATCCCTGGCTCCCCATTCAAGGCCACGTGGTTCCCTGCTTTGACGCATCCAAAGTCAAGTGCTCAGGCCC
CGGGCTGGAGCGGGCCACCGCTGGGGAGGTGGGCCAATTCCAAGTGGACTGCTCGAGCGCGGGCAGCGCGGAGCT
GACCATTGAGATCTGCTCGGAGGCGGGCTTCCGGCCGAGGTGTACATCCAGGACCACGGTGATGGCACGCACAC
CATTACCTACATTCCCCTCTGCCCCGGGGCTACACCGTCAACATCAAGTACGGCGGCCAGCCCGTGCCCAACTT
CCCCAGCAAGCTGCAGGTGGAACCTGCGGTGGACACTTCCGGTGTCCAGTGCTATGGGCCTGGTATTGAGGGCCA
GGGTGTCTTCCGTGAGGCCACCACTGAGTTCAAGTGTGGACGCCCGGGCTCTGACACAGACCGGAGGGCCGCACGT
CAAGGCCCGTGTGGCCAACCCCTCAGGCAACCTGACGGAGACCTACGTTCAAGGACCGTGGCGATGGCATGTACAA
AGTGGAGTACACGCCTTACGAGGAGGGACTGCACTCCGTGGACGTGACCTATGACGGCAGTCCCGTGCCAGCAG
CCCCCTCCAGGTGCCCCGTGACCGAGGGCTGCGACCCCTCCCGGGTGCCTGTCCACGGGCCAGGCATCCAAAGTGG
CACCACCAACAAGCCCAACAAGTTCACTGTGGAGACCAGGGGAGCTGGCACGGGCGGCCTGGGCCTGGCTGTAGA
GGGCCCCCTCCGAGGCCAAGATGTCTGCATGGATAACAAGGACGGCAGCTGCTCGGTGAGTACATCCCTTATGA
GGCTGGCACCTACAGCCTCAACGTACCTATGGTGGCCATCAAGTGCCAGGCAGTCTTTCAAGGTCCCTGTGCA
TGATGTGACAGATGCGTCCAAGGTCAAGTGTCTGGGCCCCGGCCTGAGCCCAGGCAIGGTTTCGTGCCAACCTCCC
TCAGTCTTCCAGGTGGACACAAGCAAGGCTGGTGTGGCCCCATTGCAGGTCAAAGTGCAAGGGCCCAAGGCCCT
GGTGGAGCCAGTGGACGTGGTAGACAACGCTGATGGCACCCAGACCGTCAATTATGTGCCAGCCGAGAAGGGCC
CTACAGCATCTCAGTACTGTATGGAGATGAAGAGGTACCCCGGAGCCCCCTCAAGGTCAAGGTGCTGCCTACTCA
TGATGCCAGCAAGGTGAAGGCCAGTGGCCCCGGGCTCAACACCCTGCGGTGCCTGCCAGCCTGCCCGTGGAGTT
CACCATCGATGCAAAGGACGCCGGGGAGGGCCTGCTGGCTGTCCAGATCACGGATCCCGAAGGCAAGCCGAAGAA
GACACACATCCAAGACAACCATGACGGCAGTATACAGTGGCTACGTGCCAGACGTGACAGGTGCTACACCAT
CCTCATCAAGTACGGTGGTGACGAGATCCCCCTTCTCCCCGTACCGCGTGCCTGCCGTGCCACCGGGGACGCCAG
CAAGTGCCTGTACAGGTGCTGGCATCGGCCCCACCATTCAAGTGGGGAGGAGACGGTGATCACTGTGGACAC
TAAGGCGGCAGGCAAGGCAAGTGACGTGCACCGTGTGCACGCCTGATGGCTCAGAGGTGGATGTGGACGTGGT
GGAGAATGAGGACGGCACTTTCGACATCTTCTACACGGCCCCCAGCCGGGCAATACGTATCTGTGTGCGCTT
TGGTGGCGAGCACGTGCCAACAGCCCCCTTCAAGTGACGGCTCTGGCTGGGGACCAGCCCTCGGTGCAGCCCCC
TCTACGGTCTCAGCAGCTGGCCCCACAGTACACCTACGCCAGGGCGGCCAGCAGACTTGGGCCCCGGAGAGGCC
CCTGGTGGGTGTCAATGGGCTGGATGTGACCAGCCTGAGGCCCTTTGACCTTGTATCCCCTTACCATCAAGAA
GGGCGAGATCACAGGGGAGGTTCCGATGCCCTCAGGCAAGGTGGCGCAGCCACCATCACTGACAACAAAGACGG
CACCCTGACCGTGCAGTATGCACCCAGCGAGGCTGGCCTGCACGAGATGGACATCCGCTATGACAACATGCACAT
CCCAGGAAGCCCCCTTGCAGTTCTATGTGGATTACGTCAACTGTGGCCATGTCACTGCCTATGGGCCTGGCCTCAC
CCATGGAGTAGTGAACAAGCCTGCCACCTTACCGTCAACACCAAGGATGCAGGAGAGGGGGGCTGTCTCTGGC
CATTGAGGGCCCGTCCAAAGCAGAAATCAGCTGCACTGACAACCAGGATGGGACATGCAGCGTGTCTACCTGCC
TGTGCTGCCGGGGGACTACAGCATTCTAGTCAAGTACAATGAACAGCACGTCCCAGGCAGCCCCCTTCACTGCTCG
GGTACAGGTGACGACTCCATGCGTATGTCCACCTAAAGTTCGGCTCTGCTGCCGACATCCCCATCAACATCTC
AGAGACGGATCTCAGCCTGCTGACGGCCACTGTGGTCCCCGCCCTCGGGCCGGGAGGAGCCCTGTTTGTGAAGCG
GCTGCGTAATGGCCACGTGGGGATTTCATTTCGTGCCCAAGGAGACGGGGGAGCACCTGGTGCATGTGAAGAAAAA
TGGCCAGCACGTGGCCAGCAGCCCCATCCCGGTGGTGATCAGCCAGTCGGAATTTGGGGATGCCAGTCTGTTCG
GGTCTCTGGTCAAGGCCTTACGAAGGCCACACCTTTGAGCCTGCAGAGTTTATCATTGATACCCGCGATGCAGG
CTATGGTGGGCTCAGCCTGTCCATTGAGGGCCCCAGCAAGGTGGACATCAACACAGAGGACCTGGAGGACGGGAC
GTGCAGGGTCACTACTGCCCCACAGAGCCAGGCAACTACATCATCAACATCAAGTTTGGCGACCAGCACGTGCC
TGGCAGCCCCCTTCTCTGTGAAGGTGACAGGCGAGGGCCGGGTGAAAGAGAGCATCACCCGAGGCGTCGGGCTCC
TTCAGTGGCCAACGTTGGTAGTCATTGTGACCTCAGCCTGAAAATCCCTGAAATTAGCATCCAGGATATGACAGC
CCAGGTGACCAGCCCATCGGGCAAGACCCATGAGGGCCGAGATCGTGGAAGGGGAGAACCACACCTACTGCATCCG
CTTTGTTCCCGCTGAGATGGGCACACACAGTCAAGTGAAGTACAAGGGCCAGCACGTGCCTGGGAGCCCCCTT
CCAGTTACCGTGGGGCCCCCTAGGGGAAGGGGAGCCACAAGGTCCGAGCTGGGGGCCCTGGCCTGGAGAGAGC
TGAAGCTGGAGTGCCAGCCGAATTCAGTATCTGGACCCGGGAAGCTGGTGTGGAGGCTGGCCATTGCTGTGCA
GGGCCCCAGCAAGGCTGAGATCTCTTTGAGGACCGCAAGGACGGCTCCTGTGGTGTGGCTTATGTGGTCCAGGA
GCCAGGTGACTACGAAGTCTCAGTCAAGTCAACGAGGAACACATTCCCGACAGCCCTTCGTGGTGCCTGTGGC
TTCTCCGTCTGGCGACGCCCCGCCCTCACTGTTTCTAGCCTTCAAGGATCAGGGCTAAAGGTCAACCAGCCAGC

6799/6881
FIGURE 6282

CAGGAGGAGACAGCCTCCCGGCCCGGGAGGACAAGTCGCTGCCACCTTTGGCTGCCGACGTGATTCCCTGGGAC
GGTCCGTTTCCCTGCCGTCAGCTGCCGGCCGAGTTGGGTCTCCGTGGTTTCAGGCCGGCTCCCCCTTCCTGGTCTCC
CTTCTCCCGCTGGGCCGGTTTATCGGGAGGAGATTGTCTTCCAGGGCTAGCAATTGGACTTTTGATGATGTTTGA
CCCAGCGGCAGGAATAGCAGGCAACGTGATTTCAAAGCTGGGCTCAGCCTCTGTTTCTTCTCTCGTGTAATCGCA
AAACCCATTTTGGAGCAGGAATTCCAATCATGTCTGTGATGGTGGTGAGAAAGAAGGTGACACGGAAATGGGAGA
AACTCCAGGCAGGAACACCTTTTGCTGTGATGGCCGCGTCATGATGGCCCCGGCAAAAGGGCATTTCCTACCTGA
CCCTTTTCCCTCATCTCGGGACATGTACACTCTTCTTCGCCCTTTGAGTGCCGCTACCTGGCTGTTTCAGCTGTCTC
CTGCCATCCCTGTATTTGCTGCCATGCTCTTCCCTTTTCTCCATGGCTACACTGTTGAGGACCAGCTTCAGTGACC
CTGGAGTGATTCCTCGGGCGCTACCAGATGAAGCAGCTTTCATAGAAATGGAGATAGAAGCTACCAATGGTGCGG
TGCCCCAGGGCCAGCGACCACCGCCTCGTATCAAGAATTTCCAGATAAACAACCAGATTGTGAAACTGAAATACT
GTTACACATGCAAGATCTTCGGGCCCTCCCCGGGCCCTCCCATTCAGCATCTGTGACAACCTGTGTGGAGCGCTTCG
ACCATCACTGCCCCCTGGGTGGGGAATTGTGTTGGAAAGAGGAACTACCGCTACTTCTACCTCTTCATCCTTTCTC
TCTCCCTCCTCACAATCTATGTCTTCGCCCTTCAACATCGTCTATGTGGCCCTCAAATCTTTGAAAATTGGCTTCT
TGGAGACATTGAAAGAACTCCTGGAACCTGTTCTAGAAGTCTCATTGCTTCTTTACACTCTGGTCCGTCGTGG
GACTGACTGGATTTTCATACTTTCCCTCGTGGCTCTCAACCAGACAACCAATGAAGACATCAAAGGATCATGGACAG
GGAAGAATCGCGTCCAGAATCCCTACAGCCATGGCAATATTGTGAAGAACTGCTGTGAAGTGCTGTGTGGCCCCCT
TGCCCCCAGTGTGCTGGATCGAAGGGGTATTTTGCCACTGGAGGAAAGTGGAAGTCGACCTCCAGTACTCAAG
AGACCAGTAGCAGCCTCTTGCCACAGAGCCCAGCCCCACAGAACACCTGAACTCAAATGAGATGCCGGAGGACA
GCAGCACTCCCGAAGAGATGCCACCTCCAGAGCCCCCAGAGCCACCACAGGAGGCAGCTGAAGCTGAGAAGTAGC
CTATCTATGGAAGAGACTTTTGTGTTGTGTTTAATTAGGGCTATGAGAGATTTTCAGGTGAGAAGTTAAACCTGAGA
CAGAGAGCAAGTAAGCTGTCCCTTTTAACTGTTTTTCTTTGGTCTTTAGTCACCCAGTTGCACACTGGCATTTTC
TTGCTGCAAGCTTTTTTAAATTTCTGAACTCAAGGCAGTGGCAGAAGATGTCAGTCACCTCTGATAACTGGAAAA
ATGGGTCTCTTGGGCCCTGGCACTGGTT

6800/6881
FIGURE 6283

LFLLSCNRKTHFGAGIPIMSVMVVRKKVTRKWEKLPGRNTFCCDGRVMMARQKGIFYLTLLFLILGTCTLFFAFEC
RYLAVQLSPAIPVFAAMLFLFSMATLLRTSFSDPGVIPRALPDEAAFIEMEIEATNGAVPQGQRPPPRIKNFQIN
NQIVKLKYCYTCKIFRPPRASHCSICDNCVERFDHHC PWVGNCVGRNYRYFYLFILSLSLTIYVFAFNIVYVA
LKSLKIGFLET LKETPGTVLEVLI CFFTLWSVVGLTGFHTFLVALNQTTNEDIKGSWTGKNRVQNPYSHGNIVKN
CCEVLCGPLPPSVLDRRGILPLEESGSRPPSTQETSSSLLPQSPAPTEHLNSNEMPEDSSTPEEMPPEPPEPPQ
EAAEAEK

6801/6881
FIGURE 6284

TGCTTTCTTCGGCTTCCGTTCTTGGTCCATGTGAGAGAAGCTGGCTGCTGAAATGACTGCGAACCGGCTTGCAG
AGAGCCTTCTGGCTTTGAGCCAACAGGAAGAACTAGCGGATTTGCCAAAAGACTACCTCTTGAGTGAGAGTGAAG
ATGAGGGGGGACAATGATGGAGAGAGAAAAGCATCAAAGCTTCTGGAAGCAATCAGTTCCCTTGATGGAAAGAATA
GGCGGAAATTGGCTGAGAGGTCTGAGGCTAGTCTGAAGGTGTCAGAGTTCAATGTCAGTTCTGAAGGATCAGGAG
AAAAGCTGGTCCCTTGCAGATCTGCTTGAGCCTGTTAAACTTTCATCTTCTTTGGCCACTGTGAAAAAGCAACTGA
GTAGAGTCAAATCAAAGAAGACAGTGGAGTTACCTCTGAACAAAGAAGAGATTGAACGGATCCACAGAGAAGTAG
CATTCATAAAAACCGCACAAAGTCTCTCAAATGGGACCCTGTCTGCTGAAGAACCGGCAGGCAGAGCAGCTGG
TTTTTCCCCTGGAGAAAGAGGAGCCAGCCATTGCTCCCATTTGAACATGTGCTCAGTGGCTGGAAGGCAAGAAGTCT
CCCTGGAGCAGGAAATTTTCAACCTCTCCATAAGAACAAGCAGCCAGTGACAGACCCTTTACTGACCCCTGTGG
AAAAGGCCCTCTCTCCGAGCCATGAGCCTAGAAGAGGCAAAGATGCGACGAGCAGAGCTTCAGAGGGCTCGGGCTC
TGCAGTCTTACTATGAGGCCAAGGCTCGAAGAGAGAAGAAAATCAAAGTAAAAAGTATCACAAAGTCGTGAAGA
AAGGAAAGGCCAAGAAAGCCCTAAAAGAGTTTGAGCAGCTGCGGAAGGTTAATCCAGCTGCAGCACTAGAAGAAC
TGGAATAAATTGAAAAGGCCAGAATGATGGAAGAATGAGCCTTAAGCACCAAAACAGTGGGAAATGGGCCAAGT
CAAAGGCAATTATGGCCAAATATGACCTGGAGGCTCGCCAAGCTATGCAGGAACAGTTGTCTAAGAACAAGAAC
TGACACAGAACTCCAGGTAGCCTCTGAGAGTGAGGAAGAGGAGGGAGGCACAGAAGATGTGGAAGAAGTCTTG
TCCCTGATGTAGTGAATGAAGTGCAGATGAATGCAGATGGGCCGAATCCCTGGATGCTCAGGAGCTGCACCAAGT
ACACCAAAGAGGCTGCAACCCAGGAGGACCCTGAGCAACTGCCAGAGCTTGAGGCCCATGGAGTTTCTGAAAGTG
AGGGAGAAGAAAGACCAGTGGCAGAAGAAGAAATTTTGTGAGAGAATTTGAGGAAAGGCGATCCCTTAGAAAAA
GATCTGAGCTCAGCCAAGATGCTGAGCCAGCAGGCAGTCAAGAAAACAAAAGATTCTGGCAGCCAGGAGGTGCTGT
CTGAATTGAGAGTACTATCTCAGAAATTGAAGGAAAACCATCAGTCCAGGAAGCAAAAAGCAAGTTCAGAGGGGA
CTATTCCCCAGGTCCAGAGAGAGGAACCTGCCCCAGAAGAAGAGGAGCCCCCTGTTGCTACAGAGACCAGAGAGAG
TACAGACGCTGGAAGAGCTAGAAGAGCTGGGAAAAGAAGAATGTTTTCAAAAATAAGGAGCTTCCCAGACCTGTGT
TAGAAGGGCAGCAGTCAGAGAGGACCCCAAATAATCGCCCTGATGCCCTAAGGAGAAGAAAAAGAAGGAGCAAA
TGATCGACCTACAGAACCTCCTAACCACACAATCTCCCTCCGTGAAGTCTTTGGCAGTTCCCACAATAGAGGAGC
TGGAAGATGAAGAGGAGAGAAAACCATAGGCAGATGATAAAGGAAGCTTTTGCTGGGGATGATGTCATCAGAGATT
TCTTGAAAGAGAAGAGGGAAGCTGTGGAGGCGAGTAAGCCAAAGGACGTGGACCTGACACTACCTGGCTGGGGCG
AGTGGGGTGGTGTGGGCCTAAAGCCAGTGCCAAGAAAAGACGCCGTTTCTCATTAAAGCCCTGAGGGTCCTC
CAAGAAAAGATAAGAATTTGCCAAATGTGATTATCAATGAGAAGCGCAACATCCACGCAGCTGCTCATCAGGTAC
GAGTGTCTCCATATCCATTTACCCACCATTGGCAATTTGAAAGGACCATCCAGACCCCATAGGATCCACATGGA
ACACCCAGAGGGCTTTCCAAAAGCTGACTACTCCCAAGGTCGTACCAAGCCAGGCCATATCATTAAACCCATAA
AAGCAGAAGACGTGGGCTACCGGTCTTCTCAAGGTCGGACCTGTCTGTCATACAGAGGAATCCAAAACGAATCA
CCACACGTCACAAAAAACAGCTGAAGAAATGCTCTGTAGATTGAGTTGCTGGAGGAGTGACAGCCAGGAGCCCTG
ACTTCACTTCCTTTGGTCCAGTTTTACTCTGATACAGGGTGGATTCCAAAAGTGGCTCAGTACATTGCATGTAGT
TAAGCCACATTTAAAAATAAAGGCATTTTTTAATCT

6802/6881
FIGURE 6285

AGAGGAAAGGGAAGGAGGAGGTCCCGAATAGCGGTGCGCCGAAATGTTCCGGTGTGGAGGCCTGGCGGCGGGTGCT
TTGAAGCAGAAGCTGGTGCCCTTGGTGCGGACCGTGTGCGTCCGAAGCCCGAGGCAGAGGAACCGGCTCCCAGGC
AACTTGTTCCAGCGATGGCATGTTCCCTCTAGAACTCCAGATGACAAGACAAATGGCTAGCTCTGGTGCATCAGGG
GGCAAAATCGATAATTCTGTGTTAGTCCTTATTGTGGGCTTATCAACAGTAGGAGCTGGTGCCTATGCCTACAAG
ACTATGAAAGAGGACGAAAAAGATAACAATGAAAGAATTTAGGGTTAGGGCTGACACCAGAACAGAAACAGAAA
AAGGCCGCGTTATCTGCTTCAGAAGGAGAGGAAGTTCCTCAAGACAAGGCGCCAAGTCATGTTCCCTTTCCTGCTA
ATTGGTGGAGGCACAGCTGCTTTTGCTGCAGCCAGATCCATCCGGGCTCGGGATCCTGGGGCCAGGGTACTGATT
GTATCTGAAGATCCTGAGCTGCCGTACATGCGACCTCCTCTTCAAAAGAACTGTGGTTTTTCAGATGACCCAAAT
GTCACAAAGACACTGCGATTCAAACAGTGGAATGGAAGAGAGAAGCATATATTTCCAGCCACCTTCTTTCTAT
GTCTCTGCTCAGGACCTGCCTCATATTGAGAATGGTGGTGTGGCTGTCTCACTGGGAAGAAGGTAGTACAGCTG
GATGTGAGAGACAACATGGTGAACCTTAATGATGGCTCTCAAATAACCTATGAAAAGTGCTTGATTGCAACAGGA
GGTACTCCAAGAAGTCTGTCTGCCATTGATAGGGCTGGAGCAGAGGTGAAGAGTAGAACAACGCTTTTCAGAAAG
ATTGGAGACTTTAGAAGCTTGGAGAAGATTTACGGGAAGTCAAATCAATTACGATTATCGGTGGGGGCTTCCTT
GGTAGCGAACTGGCCTGTGCTCTTGGCAGAAAGGCTCGAGCCTTGGGCACAGAAGTGATTCAACTCTTCCCCGAG
AAAGGAAATATGGGAAAGATCCTCCCCGAATACCTCAGCAACTGGACCATGGAAAAAGTCAGACGAGAGGGGGTT
AAGGTGATGCCCAATGCTATTGTGCAATCCGTTGGAGTCAGCAGTGGCAAGTTACTTATCAAGCTGAAAGACGGC
AGGAAGGTAGAACTGACCACATAGTGGCAGCTGTGGGCTGGAGCCCAATGTTGAGTTGGCCAAGACTGGTGGC
CTGGAAATAGACTCAGATTTTGGTGGCTTCCGGGTAAATGCAGAGCTACAAGCACGCTCTAACATCTGGGTGGCA
GGAGATGCTGCATGCTTCTACGATATAAAGTTGGGAAGGAGGCGGGTAGAGCACCATGATCAGCTGTTGTGAGT
GGAAGATTGGCTGGAGAAAATATGACTGGAGCTGCTAAGCCGTACTGGCATCAGTCAATGTTCTGGAGTGATTTG
GGCCCCGATGTTGGCTATGAAGCTATTGGTCTTGTGGACAGTAGTTTGGCCACAGTTGGTGTTTTTTGCAAAAGCA
ACTGCACAAGACAACCCCAAATCTGCCACAGAGCAGTCAGGAAGTGGTATCCGATCAGAGAGTGAGACAGAGTCC
GAGGCCTCAGAAATTACTATTCTCCAGCACCCCGGCAGTTCCACAGGCTCCCGTCCAGGGGGAGGACTACGGC
AAAGGTGTCATCTTCTACCTCAGGGACAAAGTGGTCTGTGGGATTGTGCTATGGAACATCTTTAACCGAATGCCA
ATAGCAAGGAAGATCATTAAAGGACGGTGAGCAGCATGAAGATCTCAATGAAGTAGCCAAACTATTCAACATTCAT
GAAGACTGAAGCCCCACAGTGAATTGGCAA

6803/6881
FIGURE 6286

MFRCGGLAAGALKQKLVPLVVRTVCVRSPRQRNRLPGNLFQRWHVPLELQMTRQMASSGASGGKIDNSVLVLIVGL
STVGAGAYAYKTMKEDEKRYNERISGLGLTPEQKQKKAALSASEGEEVPQDKAPSHVPFLLIGGGTAFAAARS I
RARDPGARVLIVSEDPELPYMRPPLSKELWFSDDPNVTKTLRFKQWNGKERSIYFQPPSFYVSAQDLPHIENGGV
AVLTGKKVVQLDVRDNMVKLNDGSQITYEKCLIATGGTPRSLSAIDRAGAEVKSRTTLFRKIGDFRSLEKISREV
KSITIIGGGFLGSELACALGRKARALGTEVIQLFPEKGNMGKILPEYLSNWTMEKVRREGVKVMPNAIVQSVGVS
SGKLLIKLDGRKVETDHI VAAVGLEPNVELAKTGGLEIDSDFGGFRVNAELQARSNIWVAGDAACFYDIKLGRR
RVEHHDHAVVSGRLAGENMTGAAKPYWHQSMFWSDLGPDVGYEAI GLVDSSLPTVGVFAKATAQDNPKSATEQSG
TGIRSESETESEASEITIPPSTPAVPQAPVQGEDYGKGVIFYLRDKVVVGIVLWNIFNRMPIARKI IKDGEQHED
LNEVAKLFNIHED

6804/6881
FIGURE 6287

CCCTCCCCTGCCTGCATTCCCGGGACGGACCCGAGGGAAGAAGCCTCAGGAGGAGGGTGTGGGCCGAGGCGCGGC
GGCGGCTGGAGCAGCGCGGTAGGGTCCTTCGCCAGAGCATCCGGTCCGAGGGCGCACACAGGCAGAAGGCTCGGG
GCTCGTCCACTCTCCTCCCTCTCTCCTCCTCTCCCTGGCTTTGTGTTGGTGCCTCCGAGCTGCAAGGAGGGTGCG
CTGGAGGAGGAGGAGGGGGGGCCCGGAGTGAGAGGCACCCCTTCACGCGCGCGCGCGCACACGGTGCCGGCGCAC
GCACACACGGGCGGACACACACACACGCGCGCACACACACACGACAGAGCTCGCTCGCCTCGAGCGCACGAACG
TGGACGTTCTCTTTGTGTGGAGCCCTCAAGGGGGGTGGGGCCCCGGTTCGGTCCGGGGGAGATGCGCGCAGCCCA
TCCTGGGCCATGGGAGCCTGCAGCCCGCCTCGGCCGCTGGCCTGGCGTCCCTGGAGCTCGACTCGTCGCTGGACC
AGTACGTGCAGATTTCGCATCTTCAAATAATCGTGATTGGGGACTCCAACGTGGGCAAGACCTGCCTGACCTTCC
GCTTCTGCGGGGGTACCTTCCCAGACAAGACTGAAGCCACCATCGGCCGTGGACTTCAGGGAGAAGACCGTGGAAA
TCGAGGGCGAGAAGATCAAGGTTCAAGGTGTGGGACACAGCAGGTCAGGAACGTTTCCGCAAAAGCATGGTCGAGC
ATTACTACCGCAACGTACATGCCGTGGTCTTCGTCTATGACGTCACCAAGATGACATCTTTCACCAACCTCAAAA
TGTGGATCCAAGAATGCAATGGGCATGCTGTGCCCCCACTAGTCCCCAAAGTGCTTGTGGGCAACAAGTGTGACT
TGAGGGAACAGATCCAGGTGCCCTCCAACCTAGCCCTGAAATTTGCTGATGCCCACAACATGCTCTTGTTTGAGA
CATCGGCCAAGGACCCCAAAGAGAGCCAGAACGTGGAGTCGATTTTCATGTGCTTGGCTTGCCGATTGAAGGCC
AGAAATCCCTGCTGTATCGTGATGCTGAGAGGCAGCAGGGGAAGGTGCAGAACTGGAGTTCCACAGGAAGCTA
ACAGTAAACTTCCTGTCTTGTGTGAACCAAACGATATAAATAACAAGATAAATTATCAGTGGAGTTTTTCTTT
CCCTTTTTTCTGTGCCTGCATAATGCTGACACCTGCTTGTTCATACAAATTGATATCAAAATAAAATTTGTAT
AGATTATC

6805/6881
FIGURE 6288

MAQPILGHGSLQPASAAGLASLELDSSLDQYVQIRIFKIIVIGDSNVGKTCLTFRFCGGTFPDKTEATIGVDFRE
KTVEIEGEKIKVQVWDTAGQERFRKSMVEHYRNVHAVVEFYDVTKMTSFTNLKMWIECNHGVPLVPKVLVG
NKCDLREQIQVPSNLALKFADAHNMLLFETSAKDPKESQNVESIFMCLACRLKAQKSLLYRDAERQQGKVQKLEF
PQEANSKTSCPC

6806/6881
FIGURE 6289

GCCCCACCCCTCGACATGCGCTTCCGGCGACGCCCTTAGCGCTGACCCCCACGCAACCCAGCGAAACTCCGCGGAG
CGCGCGCGGCACGATGGACGGTCGGGTGCAGCTGATGAAGGCCCTCCTGGCCGGGGCCCCCTCCGGCCCCGCGGCGCG
TCGCTGGAGGAACCCGATTCCCTTTCCCGAGACGTTTGACGGAGATACCGACCGACTCCCGGAGTTTCATCGTGCA
GACGAGCTCCTACATGTTTCGTGGACGAGAACACGTTCTCCAACGACGCCCTGAAGGTGCAAGCTGGGCTCCTGTT
ACATACTGGACAGACCACCCACAGCCGCTGCTGCCAACCCACCTCCACTCCTCCAGACTGCCAGCCAACCTACATC
ATTCTGCCCACAGACCTACGCTACCACTGCCATCGCCATCCACCGCATCTCACCAACAGACTGTGGCTCCTAGTG
ATGTGGACTCACCTCGGAGGTATCCGAGCTGGACACAGCCCCTGGACAGTGATCCAGACAGCTGGCCGTCCCCCA
AGGAGCCTGTCACCTTCAGCGAGACCCATTTCTCCCCATCCCCAGAGACCTCTTGTGTTCTTGCCACATAGCTG
CCAGGGCTTAAGTGTGCCTGGCAACCAAATCGAATCTCTCATTTTCTCCTGTGGACCAGTTAGTTTTGCCTAGAA
TCCTGTTTTTCTTCTGAATTTGCAGCTGTCTCTCTGATGGGTGCCTTTTGTTCACACAGTAAGCCCTGCTCCCTT
CCCTGCTCTAATACTACCTGTACAAAGGTTTTTTCCTTATTTTTTAATAAATGTCAGACACTATT

6807/6881
FIGURE 6290

MHIWTLSC TSGASWAPVTYWDHPQPLLPTHLHSSRLFPANYIILPTDLRYHCHRHPPHLTNRLWLLVMWTHLGGI
RAGHSPWTVIQTAGRPRLSPSARPISSPSPETSCVPAT

6808/6881
FIGURE 6291

TGAAGGCCCTCCTGGCCGGGCCCCCTCCGGCCCCGGGCGCGTCGCTGGAGGAACCCGATTCCCTTTCCCGAGACGT
TTGACGGAGATACCGACCGACTCCCGGAGTTTCATCGTGCAGACGAGCTCCTACATGTCGTGGACGAGAACACGT
TCTCCAACGACGCCCTGAAGCCCAGCCCCCTCCATGCACATTTGGACGCTGTCCTGCACTTCAGGTGCAAGCTGGG
CTCCTGTTACATACTGGACAGACCACCCACAGCCGCTGCTGCCAACCCACCTCCACTCCTCCAGACTGCCAGCCA
ACTACATCATTCTGCCCACAGACCTACGCTACCACTGCCATCGCCATCCACCGCATCTCACCAACAGACTGTGGC
TCCTAGTGATGTGGACTCACCTCGGAGGTATCCGAGCTGGACACAGCCCCCTGGACAGTGATCCAGACAGCTGGCC
GTCCCCCAAGGAGCCTGTCACCTTCAGCGAGACCCATTTCTCCCCATCCCCAGAGACCTCTTGTTGTTCTGCCA
CATAGCTGCCAGGGCTTAAGTGTGCCTGGCAACCAAATCGAATCTCTC

6809/6881
FIGURE 6292

MFVDENTFSNDALKPSPSMHIWTL SCTSGASWAPVTYWDHPQPLLPTHLHSSRLPANYIILPTDLRYHCHRHPP
HLTNRLWLLVMWTHLGGIRAGHSPWTVIQTAGRPPERSLSPSARPISSPSPETSCVPAT

6810/6881
FIGURE 6293

CGGCACGAGGACAGAATCAGGTGATGGTCCAGAATTAAGAGCTGTACCTGTGTCATTCACTCACAATGAAAGAA
ATGAAGAAGACTGCCATCCGGCTGCCCAAAGGCCAAACAGAAGCCTATAAAGACGGAATGGAATTCCCGGTGTGTC
CTTTTCACCTACTTCCAAGGGGACATCAGCAGCGTAGTGGATGAACACTTCTCCAGAGCTCTGAGCAATATCAAG
AGCCCCCAGGAATTGACCCCTCGAGTCAGAGTGAAGGTGTGATGCTGAAAAACGATGATAGCATGTCTCCAAAT
CAGTGGCGTTACTCGTCTCCATGGACAAAGCCACAACCAGAAGTACCTGTCACAAACCGTGCCGCCAACTGCAAC
TTGCATGTGCCTGGTCCCATGGCTGTGAATCAGTTCTCACCGTCCCTGGCTAGGAGGGCCTCTGTTTCGGCCTGGG
GAGCTGTGGCATTTCCTCCCTGGCGGGCACCAGCTCCTTAGAGCCTGGCTACTCTCATCCCTTCCCCGCTCGG
CACCTGGTTCCAGAGCCCCAGCCTGATGGGAAACGTGAGCCTCTCCTAAGTCTCCTCCAGCAAGACAGATGCCTA
GCCCCGCTCCTCAGGAATCTGCCGCCAGGGAGAATGGCAACCCCTGGCCAGATAGCTGGAAGCACAGGGTTGCTCTTC
AACCTGCCTCCCGGCTCAGTTCACTATAAGAACTATATGTATCTCGTGGATCTGCCAGTACCAGCCTTCCAAAT
GAAACTCTTTCAGAGTTAGAGACACCTGGGAAATACTCACTTACACCACCAAACCACTGGGGCCACCCACATCGA
TACCTGCAGCATCTTTAGTCAAGTTGGAGGAGAAAGACAACACTTGGTCTAAGACACGGCAGCAAGACATCCCTG
CATATTGTTCCAGATAAAAAATGAAAGCTGCTCACACCCACTTGCCTCCCCAATCTGTAAACAGCTTCGTGTCTA
GTATGAGCTCAGTACTTGCCCTGTGAAAATCCCAGAAGCCCCCGCTGTCAATGTTCCCCATCCACACCCTGCTTG
CTCCTGTGTAACAGCTCAGATGATGAATAATAATAAACTGTACTTTTTTGGAAGAAAAAAAAAAAAAAAAAAAAA

6849/6881
FIGURE 6329C

CTCTTTTGCAGTCAGCCTGAACGGGGCCAAGGGGGCGATCGATGCCAAGGTGCACAGCCCCTCAGGAGCCCTGGA
GGAGTGCTATGTCACAGAAATTGACCAAGATAAGTATGCTGTGCGCTTCATCCCTCGGGAGAAATGGCGTTTACCT
GATTGACGTCAAGTTCAACGGCACCCACATCCCTGGAAGCCCCTTCAAGATCCGAGTTGGGGAGCCTGGGCATGG
AGGGGACCCAGGCTTGGTGTCTGCTTACGGAGCAGGTCTGGAAGGCGGTGTCACAGGGAACCCAGCTGAGTTCGT
CGTGAACACGAGCAATGCGGGAGCTGGTGGCCCTGTGCGGTGACCATTGACGGCCCCCTCCAAGGTGAAGATGGATTG
CCAGGAGTGGCCTGAGGGCTACCGCGTCACCTATACCCCCATGGCACCTGGCAGCTACCTCATCTCCATCAAGTA
CGGCGGGCCCCTACCACATTGGGGGCAGCCCCCTTCAAGGCCAAAGTCACAGGCCCCCGTCTCGTCAGCAACCACAG
CCTCCACGAGACATCATCAGTGTGTTGTAGACTCTCTGACCAAGGCCACCTGTGCCCCCAGCATGGGGCCCCGGG
TCCTGGGCCTGCTGACGCCAGCAAGGTGGTGGCCAAGGGCCTGGGGCTGAGCAAGGCCTACGTAGGCCAGAAGAG
CAGCTTCACAGTAGACTGCAGCAAAGCAGGCAACAACATGCTGCTGGTGGGGGTTTCATGGCCCAAGGACCCCCTG
CGAGGAGATCCTGGTGAAGCACGTGGGCAGCCGGCTCTACAGCGTGTCTACCTGCTCAAGGACAAGGGGGAGTA
CACACTGGTGGTCAAATGGGGGGACGAGCACATCCCAGGCAGCCCCTACCGCGTTGTGGTGGCCTGAGTCTGGGG
CCCGTGCCAGCCGGCAGCCCCCAAGCCTGCCCGCTACCCAAGCAGCCCCGCCCTCTTCCCCCTCAACCCCGGCC
AGGCCGCCCTGGCCGCCCCGCTGTCACTGCAGCCGCCCTGCCCTGTGCCGTGCTGCGCTCACCTGCCTCCCCAG
CCAGCCGCTGACCTCTCGGCTTTCACCTGGGCAGAGGGAGCCATTGGTGGCGCTGCTTGTCTTCTTTGGTTCTG
GGAGGGGTGAGGGATGGGGTCTGTACACAACCACCCACTAGTTCTCTTCTCCAGCCAAGAGGAATAAAGTTTT
GCTTCCATTC

6850/6881
FIGURE 6330A

[illegible]

6851/6881
FIGURE 6330B

GGGATCCCATCTTTTTAACCTCTGTTTCAGGAAGTCCTTATCTAGCTGCATATCTTCATCATATTGGTATATCCTT
TTCTGTGTTTACAGAGATGTCTCTTATATCTAAATCTGTCCAAGTACCTTATCAAAGTAGCAAATGAG
ACAGCAGTCTTATGCTTCCAGAAACACCCACAGGCATGTCCCATGTGAGCTGCTGCCATGAAGTGTCAAGTGTGT
GTTGTCTTGTGTATTTTCAAGTATTGTCCCTGGCTTCTTACTATGGTGTAAATCATGAAGGAGTGAAACATCATAG
AAACTGTCTAGCACTTCCCTGGCAGTCTTTAGTGATCAGGAACCATAGTTGACAGTTCCAATCAGTAGCTTAAGA
AAAAACCGTGTTTGTCTCTTCTGGAATGGTTAGAAGTGAGGGAGTTTGGCCCGTTCTGTTTGTAGAGTCTCATAG
TTGGACTTTCTAGCATATATGTGTCCATTTCCCTTATGCTGTAAAAAGCAAGTCTGCAACCAAACCTCCCATCAGCC
CAATCCCTGATCCCTGATCCCTTCCACCTGCTCTGCTGATGACCCCCCAGCTTCACTTCTGACTCTTCCCCAGG
AAGGGAAGGGGGGTGAGAAGAGAGGGTGAGTCTCCAGAAGTCTTCTCCAAGGACAGAAGGCTCCTGCCCCCAT
AGTGGCCTCGAAGTCTGCGACTACCAAAGGACACTTATCCACGAGAGCGCAGCATCCGACCAGGTTGTCACTGA
GAAGATGTTTATTTTGGTCAAGTTGGGTTTTTATGTATTATACTTAGTCAAATGTAATGTGGCTTCTGGAATCATT
GTCCAGAGCTGCTTCCCCGTACCTGGGCGTCACTGCTGCTGCTGTAAGAGGAGTGCGTGGCCACCAGGCCCCC
TGTCACCCATGACAGTTCACTCAGGGCCGATGGGGCAGTCTGCTGTTGGGAACACAGCATTTCAGCGTCACTTTA
TTTCATTGCGGGCCCCACCTGCAGCTCCCTCAAAGAGGCAGTTGCCAGCCTCTTCCCTTCCAGTTTATTCCAGA
GCTGCCAGTGGGGCCTGAGGCTCCTTAGGGTTTTCTCTCTATTTCCTCTTCTTCTCCTCATTCCCTCGTCTTTCC
CAAAGGCATCACAGTCACTGCGCTTTCAGCAGGCAGCCTTGCGGTTTTATCGCCCTGGCAGGCAGGGGCCCTGC
AGCTCTCATGCTGCCCCCTGCCTTGGGGTCAAGTTGACAGGAGTTGGAGGGAAAGCCTTAAGCTGCAGGATTCTC
ACCAGCTGTGTCCGGCCAGTTTTGGGGTGTGACCTCAATTTCAATTTTGTCTGTACTTGAACATTATGAAGATG
GGGGCCTCTTTCAGTGAATTTGTGAACAGCAGAATTGACCGACAGCTTTCAGTACCCATGGGGCTAGGTCATTA
AGGCCACATCCACAGTCTCCCCACCCCTGTTCAGTTGTTAGTTACTACCTCCTCTCCTGACAATACTGTATGT
CGTCGAGCTCCCCCAGGCTTACCCCTCCCGGCCCTGCCTGCTGGTGGGCTTGTATAGCCAGTGGGATTGCCGG
TCTTGACAGCTCAGTGAGCTGGAGATACTTGGTCACAGCCAGGCGCTAGCACAGCTCCCTTCTGTTGATGCTGTA
TTCCCATATCAAAGACACAGGGGACACCCAGAAACGCCACATCCCCCAATCCATCAGTGCCAAACTAGCCAACG
GCCCCAGCTTCTCAGCTCGCTGGATGGCGGAAGCTGCTACTCGTGAGCGCCAGTGCGGGTGCAGACAATCTTCTG
TTGGGTGGCATCATTCCAGGCCCCGAAGCATGAACAGTGCACCTGGGACAGGGAGCAGCCCCAAATTGTCACTGC
TTCTCTGCCCAGCTTTTCAATTGCTGTGACAGTGATGGCGAAAGAGGGTAATAACCAGACACAAACTGCCAAGTTG
GGTGGAGAAAGGAGTTTCTTTAGCTGACAGAATCTCTGAATTTTAAATCACTTAGTAAGCGGCTCAAGCCCAGGA
GGGAGCAGAGGGATACGAGCGGAGTCCCTGCGCGGGACCATCTGGAATTGGTTTAGCCCCAGTGGAGCCTGACA
GCCAGAACTCTGTGTCCCCGTCTAACCACAGCTCCTTTTCCAGAGCATTCCAGTCAAGGCTCTCTGGGCTGACTG
GGCCAGGGGAGGTTACAGGTACCAGTTCTTTAAGAAGATCTTTGGGCATATACATTTTTAGCCTGTGTCTATTGCC
CCAAATGGATTCTGTGTTTCAAGTTTACACCTGCAGATTCTAGGACCTGTGTCTTAGACTTCAGGGAGTCAAGTGT
TTCTAGAGTTTCTTACCATGGAGTGGGTCTGGAGGACCTGCCCGGTGGGGGGGAGAGCCCTGCTCCCTCCGGGTC
TTCTTACTCTTCTCTCTGCTCTGACGGGATTGTTGATTCTCTCCATTTTGGTGTCTTTCTCTTTTAGATATTGT
ATCAATCTTTAGAAAAGGCATAGTCTACTTGTATAAATCGTTAGGATACTGCCTCCCCCAGGGTCTAAAATTAC
ATATTAGAGGGGAAAAGCTGAACACTGAAGTCAAGTCTCAACAATTTAGAAGGAAAACCTAGAAAACATTTGGCA
GAAAATTACATTTTCGATGTTTTTGAATGAATACGAGCAAGCTTTTACAACAGTGCTGATCTAAAAATACTTAGCA
CTTGGCCTGAGATGCCTGGTGAGCATTACAGGCAAGGGGAATCTGGAGGTAGCCGACCTGAGGACATGGCTTCTG
AACCTGTCTTTTGGGAGTGGTATGGAAGGTGGAGCGTTACACAGTGACCTGGAAGGCCAGCACCACCTCTCTC
CCACTCTTCTCATCTTGACAGAGCCTGCCCCAGCGCTGACGTGTGAGGAAAACACCCAGGGAACTAGGAAGGCAC
TTCTGCCTGAGGGGACGCTGCCTTGGCCACTCCTGCTCTGCTCGCCTCGGATCAGCTGAGCCTTCTGAGCTGGC
CTCTCACTGCCTCCCCAAGGCCCCCTGCCTGCCCTGTGAGGAGCAGAAGGAAGCAGGTGTGAGGGCAGTGAAG
GAGGGAGCACAACCCCCAGCTCCCGCTCCGGGCTCCGACTTGTGCACAGGCAGAGCCCAGACCCTGGAGGAAATC
CTACCTTTGAATTTCAAGAACATTTGGGGGAATTTGGAAATCTCTTTGCCCCCAAACCCCCATTCTGTCTTACCTTT
AATCAGGTCTGCTCAGCAGTGAGAGCAGATGAGGTGAAAAGGCCAAGAGGTTTGGCTCCTGCCACTGATAGCC
CCTCTCCCCGAGTGTGTTGTGTCAAGTGGCAAAGCTGTTCTTCTGCTGGTACCCTGATTATATCCAGTAACACA
TAGACTGTGCGCATAGGCTGCTTTGTCTCCTCTATCTGGGCTTTTGTGTTTGTCTTTTGTGTTTGTGTTTGTGTT
TTTCTGTCCCTTTTATTTAACGCACCGACTAGACACACAAAGCAGTTGAATTTTTATATATATATCTGTATATTG
CACAATTATAAACTCATTTTGTCTGTGGCTCCACACACACAAAAAAGACCTGTTAAAATTATACCTGTTGCTTA

FIGURE 6330C

[illegible]

6853/6881
FIGURE 6331

MVAGMLGLREEKSEDQDLQGLKDKPLKFKKVKKDKKEEKEGKHEPVQPSAHHSAEPAEAGKAETSEGSAPSAPVP
EASASPKQRRSIIRDGRGPMYDDPTLPEGWTRKLKQRKSGRSAGKYDVYLINPQGKAFRSKVELIAYFEKVGDTSL
DPNDFDFTVTGRGSPSRREQPKPKPKSPKAPGTGRGRGRPKGSGTTRPKAATSEGVQVKRVLEKSPGKLLVKMP
FQTSPPGGKAEGGGATTSTQVMVIKRPGRKRKAEADPQAIPKKRGRKPGSVAAAAAEAKKKAVKESSIRSVQETV
LPICKRKTRETVSIEVKEVVKPLLVLSTLGEKSGKGLKTCKSPGRKSKESSPKGRSSASSPPKEHHHHHHHSES
PKAPVPLLPLPLPPPPPEPESSEDPTSPPEPQDLSSSVCKEEKMPRGGSLESDGCPKEPAKTQPAVATAATAAEKY
KHREGGERKDIVSSSMRPNREEPVDSRTPVTERVS

6854/6881
FIGURE 6332

CGCGGACCCGGCCGGCCAGGCCCGCGCCCGCCGCGGCCCTGAGAGGCCCGGCAGGTCCCGGCCCGGCGGCGGC
AGCCATGGCCGGGGGGGGCCGGGGCCGGGGGAGCCCGCAGCCCCCGGCGCCAGCACTTCTTGTACGAGGTGCCGCC
CTGGGTTCATGTGCCGCTTCTACAAAGTGATGGACGCCCTGGAGCCCGCGACTGGTGCCAGTTCCGCCGCCCTGAT
CGTGCGCGACCAGACCGAGCTGCGGCTGTGCGAGCGCTCCGGGCAGCGCACGGCCAGCGTCTGTGGCCCTGGAT
CAACCGCAACGCCCCGTGTGGCCGACCTCGTGACATCCTCACGCACCTGCAGCTGCTCCGTGCGCGGGACATCAT
CACAGCCTGGCACCCCTCCCGCCCCGCTTCCGTCCCCAGGCACCACTGCCCGAGGCCAGCAGCATCCCTGCACC
CGCCGAGGCCGAGGCCTGGAGCCCCCGGAAGTTGCCATCCTCAGCCTCCACCTTCTCTCCCCAGCTTTTCCAGG
CTCCCAGACCCATTACAGGGCCTGAGCTCGGCCTGGTTCCAAGCCCTGCTTCCCTGTGGCCTCCACCGCCATCTCC
AGCCCCCTTCTTCTACCAAGCCAGGCCAGAGAGCTCAGTGTCCCTCCTGCAGGGAGCCCGCCCTCTCCGTTTTG
CTGGCCCCCTCTGTGAGATTTCCCGGGGCACCCACAACCTTCTCGGAGGAGCTCAAGATCGGGGAGGGTGGCTTTGG
GTGCGTGTACCGGGCGGTGATGAGGAACACGGTGTATGCTGTGAAGAGGCTGAAGGAGAACGCTGACCTGGAGTG
GACTGCAGTGAAGCAGAGCTTCTGACCGAGGTGGAGCAGCTGTCCAGGTTTCGTACCCCAAACATTGTGGACTT
TGCTGGCTACTGTGCTCAGAACGGCTTCTACTGCCTGGTGTACGGCTTCTGCCCAACGGCTCCCTGGAGGACCG
TCTCCACTGCCAGACCCAGGCCTGCCACCTCTCTCCTGGCCTCAGCGACTGGACATCCTTCTGGGTACAGCCCCG
GGCAATTTCAGTTTCTACATCAGGACAGCCCCAGCCTCATTCATGGAGACATCAAGAGTTCCAACGTCCTTCTGGA
TGAGAGGCTGACACCCAAGCTGGGAGACTTTGGCCTGGCCCGGTTTCAGCCGCTTTGCCGGGTCCAGCCCCAGCCA
GAGCAGCATGGTGGCCCGGACACAGACAGTGCAGGGGCACCCCTGGCCTACCTGCCCGAGGAGTACATCAAGACGGG
AAGGCTGGCTGTGGACACGGACACCTTCAGCTTTGGGGTGGTAGTGCTAGAGACCTTGGCTGGTCAGAGGGCTGT
GAAGACGCACGGTGCCAGGACCAAGTATCTGAAAGACCTGGTGGAAAGAGGAGGCTGAGGAGGCTGGAGTGGCTTT
GAGAAGCACCCAGAGCACACTGCAAGCAGGTCTGGCTGCAGATGCCTGGGCTGCTCCCATCGCCATGCAGATCTA
CAAGAAGCACCTGGACCCCCAGGCCCGGGCCCTGCCACCTGAGCTGGGCTGGGCTGGGCCAGCTGGCCTGCTG
CTGCCTGCACCGCCGGGGCCAAAAGGAGGCCTCCTATGACCCAGGTGTACGAGAGGCTAGAGAAGCTGCAGGCAGT
GGTGGCGGGGGTGCCCGGGCATTTGGAGGGCGCCAGCTGCATCCCCCTTCCCCGCAGGAGAACTCCTACGTGTC
CAGCACTGGCAGAGCCACAGTGGGGCTGCTCCATGGCAGCCCTGGCAGCGCCATCAGGAGCCAGTGGCCAGGC
AGCAGAGCAGCTGCAGAGAGGCCCAACCAGCCGTGGAGAGTGACGAGAGCCTAGGCGGCCTCTCTGCTGCCCT
GCGCTCCTGGCACTTGACTCCAAGCTGCCCTCTGGACCCAGCACCCCTCAGGGAGGCCGGCTGTCTCAGGGGGA
CACGGCAGGAGAATCGAGCTGGGGGAGTGGCCAGGATCCCGGCCACAGCCGTGGAAGGACTGGCCCTTGGCAG
CTCTGCATCATCGTCTGTCAGAGCCACCGCAGATTATCATCAACCTTGCCCGACAGAAGATGGTCCAGAAGCTGGC
CCTGTACGAGGATGGGGCCCTGGACAGCCTGCAGCTGCTGTCTCAGCTCCCTCCCAGGCTTGGGCCTGGAACA
GGACAGGCAGGGGGCCGAAGAAAGTGATGAATTTAGAGCTTGATGTGTTACCTGGGCAGATCCCCCAAATCCGG
AAGTCAAAGTTCTCATGGTCAGAAAGTTCTCATGGTGCACGAGTCTCAGCACTCTGCCGGCAGTGGGGGTGGGGG
CCCATGCCCGCGGGGGAGAGAAGGAGGTGGCCCTGCTGTTCTAGGCTCTGTGGGCATAGGCAGGCAGAGTGGAAC
CCTGCCTCCATGCCAGCATCTGGGGGCAAGGAAGGCTGGCATCATCCAGTGAGGAGGCTGGCGCATGTTGGGAGG
CTGCTGGCTGCACAGACCCGTGAGGGGAGGAGAGGGGCTGCTGTGCAGGGGTGTGGAGTAGGGAGCTGGCTCCCC
TGAGAGCCATGCAGGGCGTCTGCAGCCCAGGCCTCTGGCAGCAGCTCTTTGCCCATCTCTTTGGACAGTGGCCAC
CCTGCACAATGGGGCCGACGAGGCCCTAGGGCCCTCTACCTGCTTACAATTTGGAAAAGTGTGGCCGGGTGCGGT
GGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGCAGGAGGATCGCTGGAGCCAGTAGGTCAAGACCAG
CCAGGGCAACATGATGAGACCCTGTCTCTGCCAAAAAATTTTTTAAACTATTAGCCTGGCGTGGTAGCGCACGCC
TGTGGTCCCAGCTGCTGGGGAGGCTGAAGTAGGAGGATCATTTATGCTTGGGAGGTCGAGGCTGCAGTGAGTCAT
GATTGTATGACTGCACTCCAGCCTGGGTGACAGAGCAAGACCCTGTTTTCAAAAAGAAAAACCTGGGAAAAGTGA
AGTATGGCTGTAAAGTCTCATGGTTCAGTCTTAGCAAGAAGCGAGAATTCTGAGATCCTCCAGAAAGTCGAGCAGC
ACCCACCTCCAACCTCGGGCCAGTGTCTTCAGGCTTTACTGGGGACCTGCGAGCTGGCCTAATGTGGTGGCCTGC
AAGCCAGGCCATCCCTGGGCGCCACAGACGAGCTCCGAGCCAGGTACAGCTTCGGAGGCCACAAGCTCAGCCTCA
GGCCCAGGCACTGATTGTGGCAGAGGGGCCACTACCCAAGGTCTAGCTAGGCCCAAGACCTAGTTACCCAGACAG
TGAGAAGCCCCCTGGAAGGCAGAAAAGTTGGGAGCATGGCAGACAGGGAAGGGAACATTTTCAGGGAAAAGACAT
GTATCACATGTCTTCAGAAGCAAGTCAGGTTTTCATGTAACCGAGTGTCTCTTGGTGTCCAAAAGTAGCCAGG
GCTGTAGCACAGGCTTCACAGTGATTTTGTGTTTCAGCCGTGAGTCACACTACATGCCCCGTGAAGCTGGGCATT
GGTGACGTCCAGGTTGTCTTGAGTAATAAAAACGTATGTTCCCTAAAAA

6855/6881
FIGURE 6333

MAGGPGPGEPAAPGAQHFLYEVPPWVMCRFYKVMDALEPADWCQFAALIVRDQTELRLCERSGQRTASVLWPWIN
RNARVADLVHILTHLQLLRARDIITAWHPPAPLPSPGTTAPRPSSIPAPAEAEAWSPRKLPSSASTFLSPAFFGS
QTHSGPELGLVPSPASLWPPPPSPAPSSTKPGPESSVSLQGARPSFFCWPLCEISRGTNHFSEELKIGEGGFGC
VYRAVMRNTVYAVKRLKENADLEWTAVKQSFLEVEQLSRFRHPNIVDFAGYCAQNGFYCLVYGFLPNGSLEDRL
HCQTQACFPPLSWPQRLDILLGTARAIQFLHQDSPSLIHGDIKSSNVLLDERLTPKLGDFGLARFSRFAGSSPSQS
SMVARTQTVRGTLAYLPEEYIKTGR LAVDTDTFSFGVVLETLAGQRAVKTHGARTKYLKDLVEEEEAEAGVALR
STQSTLQAGLAADAWAAPIAMQIYKKHLDPRPGPCPPELGLGLGQLACCC LHRRAKRRPPMTQVYERLEKLQAVV
AGVPGHLEAASCIPPSPOENSYVSSSTGRAHSGAAPWQPLAAPSGASQA AEQLQRGPNQPVESESLGGLSAALR
SWHLTPSCPLDPAPLREAGCPQGD TAGESSWGSGPGSRPTAVEGLALGSSASSSSEPPQIIINPARQKMOVQLAL
YEDGALDSLQLLSSSSSLPGLGLEQDRQGPEESDEFQS

6856/6881
FIGURE 6334A

GCGCGGTGCCGCCGGGAAAGATGTCGTGGCGCTGCGGTACGTGTGGCCTCTCTCTCTGTCAGCCCCCTGCCCTGC
TTATCCAGATCCCCGAGGAATATGAAGGACACCATGTGATGGAGCCACCTGTCATCACGGAACAGTCTCCACGGC
GCCTGGTTGTCTTCCCCACAGATGACATCAGCCTCAAGTGTGAGGCCAGTGGCAAGCCCCGAAGTGCAGTTCCGCT
GGACGAGGGATGGTGTCCACTTCAAACCCAAGGAAGAGCTGGGTGTGACCGTGTACCACTCGCCCCACTCTGGCT
CCTTCACCATCACGGGCAACAACAGCAACTTTGCTCAGAGGTTCCAGGGCATCTACCGCTGCTTTGCCAGCAATA
AGCTGGGCACCGCCATGTCCCATGAGATCCGGCTCATGGCCGAGGGTGCCCCAAGTGGCCAAAGGAGACAGTGA
AGCCCGTGGAGGTGGAGGAAGGGGAGTCAGTGGTTCTGCCTTGCAACCCTCCCCAAGTGCAGAGCCTCTCCGGA
TCTACTGGATGAACAGCAAGATCTTGACATCAAGCAGGACGAGCGGGTGACGATGGGGCCAGAACGGCAACCTCT
ACTTTGCCAATGTGCTCACCTCCGACAACCACTCAGACTACATCTGCCACGCCCACTTCCCAGGCACCAAGGACCA
TCATTAGAAGGAACCCATTGACCTCCGGGTCAAGGCCACCAACAGCATGATTGACAGGAAGCCGCGCCTGCTCT
TCCCCACCAACTCCAGCAGCCACCTGGTGGCCTTGACAGGGGCAGCCATTGGTCTTGGAGTGCATCGCCGAGGGCT
TTCCACGCCCAACCATCAAATGGCTGCGCCCCAGTGGCCCCATGCCAGCCGACCGTGTACCTACCAGAACCACA
ACAAGACCCTGCAGCTGCTGAAAGTGGGCGAGGAGGATGATGGCGAGTACCGCTGCCTGGCCGAGAACTCACTGG
GCAGTGGCCGGCATGCGTACTATGTACCGTGGAGGCTGCCCCGTACTGGCTGCACAAGCCCCAGAGCCATCTAT
ATGGGCCAGGAGAGACTGCCCCCTGGACTGCCAAGTCCAGGGCAGGCCCCAACCAGAGGTACCTGGAGAATCA
ACGGGATCCCTGTGGAGGAGCTGGCCAAAGACCAAGTACCGGATTACGCTGGCGCCCTGATCCTGAGCAACG
TGCAGCCAGTGACACAATGGTGACCAATGTGAGGCCCGCAACCGGCACGGGCTCTTGCTGGCCAATGCCTACA
TCTACGTTGTCCAGCTGCCAGCCAAGATCCTGACTGCGGACAATCAGACGTACATGGCTGTCCAGGGCAGCACTG
CCTACCTTCTGTGCAAGGCCTTCGGAGCGCCTGTGCCAGTGTTTCACTGGCTGGACGAGGATGGGACAACAGTGC
TTCAGGACGAACGCTTCTTCCCCATGCCAATGGGACCTGGGCATTTCAGACCTCCAGGCCAATGACACCGGAC
GCTACTTCTGCCTGGCTGCCAATGACCAAAACAATGTTACCATCATGGCTAACCTGAAGGTTAAAGATGCAACTC
AGATCACTCAGGGGCCCCCGCAGCACAAATCGAGAAGAAAGGTTCCAGGGTGACCTTACGCTGCCAGGCCTCCTTTG
ACCCCTCCTTGACAGCCAGCATCACCTGGCGTGGGGACGGTCGAGACCTCCAGGAGCTTGGGGACAGTGACAAGT
ACTTCATAGAGGATGGGCGCCTGGTTCATCCACAGCCTGGACTACAGCGACCAGGGCAACTACAGCTGCGTGGCCA
GTACCGAACTGGATGTGGTGGAGAGTAGGGCACAGCTCTTGGTGGTGGGGAGCCCTGGGCCGGTGCCACGGCTGG
TGCTGTCCGACCTGCACCTGCTGACGCAGAGCCAGGTGCGCGTGTCTGGAGTCTGTCAGAAGACCACAATGCCC
CCATTGAGAAATATGACATTGAATTTGAGGACAAGGAAATGGCGCCTGAAAAATGGTACAGTCTGGGCAAGGTTT
CAGGGAACAGACCTCTACCACCCTCAAGCTGTGCGCCTATGTCCACTACACCTTTAGGGTTACTGCCATAAACA
AATATGGCCCCGGGGAGCCAGCCCGGTCTCTGAGACTGTGGTTCACACCTGAGGCAGCCCCAGAGAAGAACCCTG
TGGATGTGAAGGGGGAAGGAAATGAGACCACCAATATGGTTCATCACGTGGAAGCCGCTCCGGTGGATGGACTGGA
ACGCCCCCAGGTTTCACTACCGCGTGCAGTGGCGCCCTCAGGGGACACGAGGGCCCTGGCAGGAGCAGATTGTCA
GCGACCCCTTCTGGTGGTGTCCAACACGTCCACCTTCGTGCCCTATGAGATCAAAGTCCAGGCCGTCAACAGCC
AGGGCAAGGGACCAGAGCCCCAGGTCACTATCGGCTACTCTGGAGAGGACTACCCCAAGGCAATCCTGAGCTGG
AAGGCATTGAAATCCTCAACTCAAGTGCCGTGCTGGTCAAGTGGCGGCCGTTGGACCTGGCCAGGTCAAGGGCC
ACCTCCGCGGATACAATGTGACGTACTGGAGGGAGGGCAGTCAGAGGAAGCACAGCAAGAGACATATCCACAAAG
ACCATGTGGTGGTGGCCGCCAACACCACAGTGTATCCTCAGTGGCTTGCGGCCCTATAGCTCCTACCACCTGG
AGGTGCAGGCCTTTAACGGGCGAGGATCGGGGCCCGCCAGCGAGTTACCTTCAGCACCCCAAGAGGGAGTGCCTG
GCCACCCCGAGGCGTTGCACCTGGAGTGCCAGTCAACACCAGCCTGCTGCTGCGCTGGCAGCCCCCACTCAGCC
ACAACGGCGTGCTCACCGGCTACGTGCTCTCCTACCACCCCTGGATGAGGGGGGCAAGGGGCAACTGTCCTTCA
ACCTTCGGGACCCCGAATTCGGACACACAACCTGACCGATCTCAGCCCCACCTGCGGTACCGCTTCCAGCTTC
AGGCCACCACCAAGAGGGGCCCTGGTGAAGCCATCGTACGGGAAGGAGGCACTATGGCCTTGTCTGGGATCTCAG
ATTTTGGCAACATCTCAGCCACAGCGGGTGAAAACCTACAGTGTGCTCTCCTGGGTCCCCAAGGAGGGCCAGTGCA
ACTTCAGGTTCCATATCTTGTTCAAAGCCTTGGGAGAAGAGAAGGGTGGGGCTTCCCTTTCGCCACAGTATGTCA
GCTACAACCAGAGCTCCTACACGAGTGGGACCTGCAGCCTGACACTGACTACGAGATCCACTTGTTTAAAGGAGA
GGATGTTCCGGCACCAATGGCTGTGAAGACCAATGGCACAGGCCGCGTGAGGCTCCCTCCTGCTGGCTTCGCCA
CTGAGGGCTGGTTCATCGGCTTTGTGAGTGCCATATCCTCCTGCTCCTGCTCCTGCTCATCCTGCTTCATCA
AGCGCAGCAAGGGCGGCAAAATACTCAGTGAAGGATAAGGAGGACACCCAGGTGGACTCTGAGGCCCGACCGATGA
AAGATGAGACCTTCGGCGAGTACAGGTCCCTGGAGAGTGACAACGAGGAGAAGGCCTTTGGCAGCAGCCAGCCAT

6857/6881

FIGURE 6334B

CGCTCAACGGGGACATCAAGCCCCTGGGCAGTGACGACAGCCTGGCCGATTATGGGGGCAGCGTGGATGTTTCAGT
TCAACGAGGATGGTTCGTTTCATTGGCCAGTACAGTGGCAAGAAGGAGAAGGAGGCGGCAGGGGGCAATGACAGCT
CAGGGGCCACTTCCCCCATCAACCCTGCCGTGGCCCTAGAATAGTGGAGTCCAGGACAGGAGATGCTGTGCCCCCT
GGCCTTGGGATCCAGGCCCCCTCCCTCTCCAGCAGGCCCATGGGAGGCTGGAGTTGGGGCAGAGGAGAACTTGCTG
CCTCGGATCCCCCTTCCTACCACCCGGTCCCCACTTTATTGCCAAAACCCAGCTGCACCCCTTCCTGGGCACACGC
TGCTCTGCCCCAGCTTGGGCAGATCTCCACATGCCAGGGGCCTTTGGGTGCTGTTTTGCCAGCCCATTGTTGGCA
GAGAGGCTGTGGTTTGGGGGAGAAGAAGTAGGGGTGGCCGAAAGGGTCTCCGAAATGCTGTCTTTCTTGCTCCC
TGACTGGGGGCAGACATGGTGGGGTCTCCTCAGGACCAGGGTTGGCACCTTCCCCCTCCCCAGCCACTCCCCAG
CCAGCCTGGCTGGGACTGGGAACAGAACTCGGTGTCCCCACCATCTGCTGTCTTTTCTTTGCCATCTCTGCTCCA
ACCGGGATGGGAGCCGGGCAAACTGGCCGCGGGGGCAGGGGAGGCCATCTGGAGAGCCCAGAGTCCCCCCTCC
CAGCATCGCACTCTGGCAGCACCGCCTCTTCCCGCCGCCAGCCCACCCCATGGCCGGCTTTTCAGGAGCTCCATA
CACACGCTGCCTTCGGTACCCACCACACAACATCCAAGTGGCCTCCGTCACTACCTGGCTGCGGGGCGGGCACAC
CTCCTCCCACTGCCCACTGGCCGGC

6858/6881
FIGURE 6335

MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVVFPTDDISLKCEASGKPEVQFRWTRDGVH
FKPKEELGVTYQSPHSGSFTITGNNSNFAQRFQGIYRCFASNKLGTA MSHEIRLMAEGAPKWPKETVKPVEVEE
GESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLTS DNHSDYICHAHFPGTRTIIQKEPI
DLRVKATNSMIDRKPRLLFPTNSSSHLVALQGQPLVLECIAEGFPTPTIKWLRPSGMPADRVTYQNHNKTLQLL
KVGEEDDGEYRCLAENSLGSARHAYYVTVEAAPYWLHKPQSHLYGPGETARLDCQVQGRPQPEVTWRINGIPVEE
LAKDQKYRIQRGALILSNVQPSDTMVTQCEARNRHGLLLANAYIYVVQLPAKILTADNQTYMAVQGSTAYLLCKA
FGAPVPSVQWLDEDGTTVLQDERFFPYANGTLGIRDLOANDTGRYFCLAANDQNNVTIMANLKVKDATQITQGPR
STIEKKGSRVTFTCQASFDPQLQPSITWRGDGRDLQELGDS DKYFIEDGRLVIHSLDYS DQGNYS CVASTELDVV
ESRAQLLVVGSPGPVPRVLSDLHLLTQSQVRVSWSPAEDHNAPIEKYDIEFEDKEMAPEKWYSLGKVPGNQTST
TLKLSPYVHYTFRVTAINKYGPGEPSPVSETTVVTPEAAPEKNPVDVKGEGNETTNMVI TWKPLRWMDWNAPQVQY
RVQWRPQGTRGPWQEIQIVSDPFLVVSNTSTFVPYEIKVQAVNSQKGPEPQVTIGYSGEDYPQAIPELEGIEILN
SSAVLVKWRPVDLAQVKGHLRGYNVTYWREGSQRKHSKRHIHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNG
RGSGPASEFTTFSTPEGVPGHPEALHLECQSNSTSLLRWQPPLSHNGVLTGYVLSYHPLDEGGKGQLSFNLRDPEL
RTHNLTDLSPHLRYRFLQATTKEGPGEAIVREGGTMALSGISDFGNISATAGENYSVVS WVPKEGQC NFRFHIL
FKALGEEKGGASLSPQYVSYNQSSYTQWDLQPD TDYEIHLFKERMFRHQMAVKTNGTGRVRLPPAGFATEGWFIG
FVSAIILLLLVLILCFIKRSKGGKYSVKDKEDTQVDSEARPMKDETFGEYRSLES DNEEKAFGSSQPSLNGDIK
PLGSDDSLADYGGSVDVQFNEDGSFIGQYSGKKEKEAAGGNDSSGATSPINPAVALE

6859/6881
FIGURE 6336A

GCGCGGTGCCGCCGGGAAAGATGGTCGTGGCGCTGCGGTACGTGTGGCCTCTCCTCCTCTGCAGCCCCCTGCCTGC
TTATCCAGATCCCCGAGGAATATGAAGGACACCATGTGATGGAGCCACCTGTCATCACGGAACAGTCTCCACGGC
GCCTGGTTGTCTTCCCCACAGATGACATCAGCCTCAAGTGTGAGGCCAGTGGCAAGCCCCGAAGTGCAGTTCCGCT
GGACGAGGGATGGTGTCCACTTCAAACCCAAGGAAGAGCTGGGTGTGACCGTGTACCAGTCGCCCCACTCTGGCT
CCTTCACCATCACGGGCAACAACAGCAACTTTGCTCAGAGGTTCCAGGGCATCTACCGCTGCTTTGCCAGCAATA
AGCTGGGCACCGCCATGTCCCATGAGATCCGGCTCATGGCCGAGGGTGCCCCAAGTGGCCAAAGGAGACAGTGA
AGCCCGTGGAGGTGGAGGAAGGGGAGTCAGTGGTTCTGCCTTGCAACCCTCCCCAAGTGCAGAGCCTCTCCGGA
TCTACTGGATGAACAGCAAGATCTTGACATCAAGCAGGACGAGCGGGTGACGATGGGCCAGAACGGCAACCTCT
ACTTTGCCAATGTGCTCACCTCCGACAACCACTCAGACTACATCTGCCACGCCCACTTCCAGGCACCCAGGACCA
TCATTAGAAGGAACCCATTGACCTCCGGGTCAAGGCCACCAACAGCATGATTGACAGGAAGCCGCGCCTGCTCT
TCCCCACCAACTCCAGCAGCCACCTGGTGGCCTTGACGGGGCAGCCATTGGTCCCTGGAGTGCATCGCCGAGGGCT
TTCCACGCCCAACCATCAAATGGCTGCGCCCCAGTGGCCCCATGCCAGCCGACCGTGTCACTTACCAGAACCACA
ACAAGACCTGCAGCTGCTGAAAGTGGGCGAGGAGGATGATGGCGAGTACCGCTGCCTGGCCGAGAACTCACTGG
GCAGTGGCCGGCATGCGTACTATGTACCGTGGAGGCTGCCCCGTAAGTGGCTGCACAAGCCCCAGAGCCATCTAT
ATGGGCCAGGAGAGACTGCCCCGCTGGACTGCCAAGTCCAGGGCAGGCCCCAACCAGAGGTCACCTGGGAGATCA
ACGGGATCCCTGTGGAGGAGCTGGCCAAAGACCAGAAGTACCGGATTACGCGTGGCGCCCTGATCCTGAGCAACG
TGCAGCCAGTGACACAATGGTGACCCAATGTGAGGCCCGCAACCGGCACGGGCTCTTGCTGGCCAATGCCTACA
TCTACGTTGTCCAGCTGCCAGCCAAGATCCTGACTGCGGACAATCAGACGTACATGGCTGTCCAGGGCAGCACTG
CCTACCTTCTGTGCAAGGCCTTCGGAGCGCCTGTGCCAGTGTTCAGTGGCTGGACGAGGATGGGACAACAGTGC
TTCAGGACGAACGCTTCTTCCCCATGCCAATGGGACCTTGGGCATTGAGACCTCCAGGCCAATGACACCGGAC
GCTACTTCTGCCTGGCTGCCAATGACCAAAACAATGTTACCATCATGGCTAACCTGAAGGTTAAAGATGCAACTC
AGATCACTCAGGGGCCCCGAGCACAATCGAGAAGAAAGGTTCCAGGGTGACCTTCACGTGCCAGGCCTCCTTTG
ACCCCTCCTTGACGCCCATCACCTGGCGTGGGGACGGTCGAGACCTCCAGGAGCTTGGGGACAGTGACAAGT
ACTTCATAGAGGATGGGCGCCTGGTTCATCCACAGCCTGGACTACAGCGACCCAGGGCAACTACAGCTGCGTGGCCA
GTACCGAACTGGATGTGGTGGAGAGTAGGGCACAGCTCTTGGTGGTGGGGAGCCCTGGGGCCGTGCCACGGCTGG
TGCTGTCCGACCTGCACCTGCTGACGCAGAGCCAGGTGCGCGTGTCTGGAGTCTGTCAGAAGACCACAATGCCC
CCATTGAGAAATATGACATTGAATTTGAGGACAAGGAAATGGCGCCTGAAAAATGGTACAGTCTGGGCAAGGTTT
CAGGGAACAGACCTCTACCAACCTCAAGCTGTGCGCCTATGTCCACTACACCTTTAGGGTTACTGCCATAAACA
AATATGGCCCCGGGAGCCAGCCCGGTCTCTGAGACTGTGGTCACACCTGAGGCAGCCCCAGAGAAGAACCCTG
TGGATGTGAAGGGGAAGGAAATGAGACCACCAATATGGTTCATCAGTGGAAGCCGCTCCGGTGGATGGACTGGA
ACGCCCCCAGGTTTCACTACCGCGTGCAGTGGCGCCCTCAGGGGACACGAGGGCCCTGGCAGGAGCAGATTGTCA
GCGACCCCTTCTGGTGGTGTCCAACACGTCCACCTTCTGTCCTATGAGATCAAAGTCCAGGCCGTCAACAGCC
AGGGCAAGGGACCAGAGCCCCAGGTCACTATCGGCTACTCTGGAGAGGACTACCCCAAGCAATCCCTGAGCTGG
AAGGCATTGAAATCCTCAACTCAAGTGCCGTGCTGGTCAAGTGGCGGCCGGTGGACCTGGCCAGGTCAAGGGCC
ACCTCCGCGGATACAATGTGACGTACTGGAGGGAGGGCAGTCAGAGGAAGCACAGCAAGAGACATATCCACAAAG
ACCATGTGGTGGTGGCCGCAACACCACCAAGTGTCTCCTCAGTGGCTTGGCGCCCTATAGCTCCTACCACCTGG
AGGTGCAGGCCTTTAACGGGCGAGGATCGGGGCCCCGAGCGAGTTCACCTTCAGCACCCAGAGGGAGTGCCTG
GCCACCCCGAGGCGTTGCACCTGGAGTGCCAGTCAACACCAGCCTGCTGCTGCGCTGGCAGCCCCCACTCAGCC
ACAACGGCGTGTCTACCGGCTACGTGCTCTCCTACCACCCCTGGATGAGGGGGGCAAGGGGCAACTGTCTTTCA
ACCTTCGGGACCCCGAATTCGGACACACAACCTGACCGATCTCAGCCCCACCTGCGGTACCGCTTCCAGCTTC
AGGCCACCACCAAGAGGGGCCCTGGTGAAGCCATCGTACGGGAAGGAGGCACTATGGCCTTGTCTGGGATCTCAG
ATTTTGGCAACATCTCAGCCACAGCGGGTGAAAACCTACAGTGTGCTCTCCTGGGTCCCCAAGGAGGGCCAGTGCA
ACTTCAGGTTCCATATCTTGTTCAAAGCCTTGGGAGAAGAGAAGGGTGGGGCTTCCCTTTGCCACAGTATGTCA
GCTACAACCAGAGCTCCTACACGCAGTGGGACCTGCAGCCTGACACTGACTACGAGATCCACTTGTTTAAGGAGA
GGATGTTCCGGCACCAATGGCTGTGAAGACCAATGGCACAGGCCGCGTGAGGCTCCCTCCTGCTGGCTTCGCCA
CTGAGGGCTGGTTCATCGGCTTTGTGAGTGCCATCATCTCCTGCTCCTGCTCCTGCTCATCCTCTGCTTCATCA
AGCGCAGCAAGGGCGGCAATACTCAGTGAAGGATAAGGAGGACACCCAGGTGGACTCTGAGGCCCGACCGATGA
AAGATGAGACCTTCGGCGAGTACAGTGACAACGAGGAGAAGGCCTTTGGCAGCAGCCAGCCATCGCTCAACGGGG

6860/6881
FIGURE 6336B

ACATCAAGCCCCTGGGCAGTGACGACAGCCTGGCCGATTATGGGGGCAGCGTGGATGTTTCAGTTCAACGAGGATG
GTTTCGTTTCATTGGCCAGTACAGTGGCAAGAAGGAGAAGGAGGCGGCAGGGGGCAATGACAGCTCAGGGGCCACTT
CCCCATCAACCCTGCCGTGGCCCTAGAATAGTGGAGTCCAGGACAGGAGATGCTGTGCCCTGGCCTTGGGATC
CAGGCCCCCTCCCTCTCCAGCAGGCCCATGGGAGGCTGGAGTTGGGGCAGAGGAGAACTTGCTGCCTCGGATCCCC
TTCCTACCACCCGGTCCCCACTTTATTGCCAAAACCCAGCTGCACCCCTTCCTGGGCACACGCTGCTCTGCCCCA
GCTTGGGCAGATCTCCACATGCCAGGGGCCTTTGGGTGCTGTTTTGCCAGCCCATTTGGGCAGAGAGGCTGTGG
TTTGGGGGAGAAGAAGTAGGGGTGGCCCGAAAGGGTCTCCGAAATGCTGTCTTTCTTGCTCCCTGACTGGGGCA
GACATGGTGGGGTCTCCTCAGGACCAGGGTTGGCACCTTCCCCCTCCCCCAGCCACTCCCCAGCCAGCCTGGCTG
GGACTGGGAACAGAACTCGGTGTCCCCACCATCTGCTGTCTTTCTTTGCCATCTCTGCTCCAACCGGGATGGGA
GCCGGGCAAACCTGGCCGCGGGGGCAGGGGAGGCCATCTGGAGAGCCCAGAGTCCCCCCTCCAGCATCGCACT
CTGGCAGCACCGCCTCTTCCCGCCGCCAGCCCACCCCATGGCCGGCTTTCAGGAGCTCCATACACACGCTGCCT
TCGGTACCCACCACACAACATCCAAGTGGCCTCCGTCACTACCTGGCTGCGGGGCGGGCACACCTCCTCCCACTG
CCCACTGGCCGGC

6861/6881
FIGURE 6337

MVVALRYVWPLLLCSPCLLIQIPEEYEGHHVMEPPVITEQSPRRLVVFPTDDISLKCEASGKPEVQFRWTRDGVH
FKPKEELGVTVYQSPHSGSFTTITGNNSNFAQRFOGIYRCFASNKLGTAMSHEIRLMAEGAPKWPKETVKPVEVEE
GESVVLPCNPPPSAEPLRIYWMNSKILHIKQDERVTMGQNGNLYFANVLTSDNHSDYICAHFPGTRTIIQKEPI
DLRVKATNSMIDRKPRLLFPTNSSSHLVALQGQPLVLECIAEGFPPTTIKWLRPSGMPADRVTYQNHNKTLQLL
KVGEEDDGEYRCLAENSLGSARHAYYVTVEAAPYWLHKPQSHLYGPGETARLDCQVQGRPQPEVTWRINGIPVEE
LAKDQKYRIQRGALILSNVQPSDTMVTQCEARNRHGLLLANAYIYVVQLPAKILTADNQTYMAVQGSTAYLLCKA
FGAPVPSVQWLDEDGTTVLQDERFFPYANGTLGIRDLQANDTGRYFCLAANDQNNVTIMANLKVKDATQITQGPR
STIEKKGSRVTFTCQASFDPSLQPSITWRGDGRDLQELGDSKDYFIEDGRLVIHSLDYSQGNYSVASTELDVV
ESRAQLLVGSPGPVPRVLSDLHLLTQSQVRVSWSPAEDHNAPIEKYDIEFEDKEMAPEKWYSLGKVPGNQTST
TLKLSPYVHYTFRVTAINKYGPGEPSPVSETVVTPEAAPEKNPVDVKEGNETTNMVITWKPLRWMDWNAPQVQY
RVQWRPQGTGRGPWQEQIVSDPFLVVSNTSTFVPYEIKVQAVNSQKGPEPQVTIGYSGEDYPQAIPELEGIEILN
SSAVLVKWRPVDLAQVKGHLRGYNVTYWREGSQRKHSKRHIHKDHVVVPANTTSVILSGLRPYSSYHLEVQAFNG
RGSGPASEFTTFSTPEGVPGHPEALHLECQSNLSLLLRWQPPLSHNGVLTGYVLSYHPLDEGGKGQLSFNLRDP
RTHNLTDLSPHLRYRFQLQATTKEGPGGEAIVREGGTMALSGISDFGNISATAGENYSVVSVPKEGQCNRFRHIL
FKALGEEKGGASLSPQYVSYNQSSYTQWDLQPD TDYEIHLFKERMFRHQMAVKTNGTGRVRLPPAGFATEGWFIG
FVSAIILLLLVLLILCFIKRSKGGKYSVKDKEDTQVDSEARPMKDETFGEYSDNEEKAFGSSQPSLNGDIKPLGS
DDSLADYGGSDVDVQFNEDGSFIGQYSGKKEKEAAGGNDSSGATSPINPAVALE

6862/6881
FIGURE 6338

TCGTGTTTCATGGGAGCTCGTTTTCTTTTCCTCTAGGCAGAGAAGAGGCGATGGCGGCGATGGCATCTCTCGGCGC
CCTGGCGCTGCTCCTGCTGTCCAGCCTCTCCCGCTGCTCAGCCGAGGCCTGCCTGGAGCCCCAGATCACCCCTTC
CTACTACACCACTTCTGACGCTGTCATTTCCACTGAGACCGTCTTCATTGTGGAGATCTCCCTGACATGCAAGAA
CAGGGTCCAGAACATGGCTCTCTATGCTGACGTCGGTGGAAAACAATTCCTGTCACTCGAGGCCAGGATGTGGG
GCGTTATCAGGTGTCCTGGAGCCTGGACCACAAGAGCGCCACGCAGGCACCTATGAGGTTAGATTCTTCGACGA
GGAGTCCTACAGCCTCCTCAGGAAGGCTCAGAGGAATAACGAGGACATTTCCATCATCCCGCCTCTGTTTACAGT
CAGCGTGGACCATCGGGGCACTTGGAACGGGCCCTGGGTGTCCACTGAGGTGCTGGCTGCGGCGATCGGCCTTGT
GATCTACTACTTGGCCTTCAGTGCGAAGAGCCACATCCAGGCCATGGCGGCGACCCCAGCCCTGCCCTTGCTTC
CTTCAATAAACATCACAGGACCTGGGACTGCACAGGAAAAAA

6863/6881
FIGURE 6339

MAAMASLGALALLLLSSLSRCSAEACLEPQITPSYYTTSDAVISTETVFIVEISLTCKNRVQNMALYADVGGKQF
PVTRGQDVGRYQVSWSLDHKSAHAGTYEVRFFDEESYSLLRKAQRNNEDISIIPPLFTVSVDHRGTWNGPWVSTE
VLAAAIGLVIYYLAFSAKSHIQA

6864/6881
FIGURE 6340

GGGCGGGGGTTCGCGGTCCCCCTCAACATGGCGGCAGCGGTGCTCTAGGCGCCGGAAGGGGGCGTGAATCGGTG
CGACCGCGCGCGTGCAGTACCGGGTCCGCGCCTGTCCCCGAACTTCGCACCCCGTCGAACTCTCGCGAGAGC
GTATCTGCGTGTCTGGGACGTGCGGAGGCTCTCACTTTCCGTCATGGCGCTGAAGGTAGCGACCGTCGCCGGCAGC
GCCGCGAAGGCGGTGCTCGGGCCAGCCCTTCTCTGCCGTCCCTGGGAGGTTCTAGGCGCCACGAGGTCCCCTCG
AGGAACATCTTTTCAGAACAAACAATTCCCTCCGTCCGCTAAGTATGGCGGGCGGCACACGGTGACCATGATCCCA
GGGGATGGCATCGGGCCAGAGCTCATGCTGCATGTCAAGTCCGTCTTCAGGCACGCATGTGTACCAGTGGACTTT
GAAGAGGTGCACGTGAGTTCCAATGCTGATGAAGAGGACATTTCGCAATGCCATCATGGCCATCCGCCGGAACCGC
GTGGCCCTGAAGGGCAACATCGAAACCAACCATAACCTGCCACCGTCGCACAAATCTCGAAACAACATCCTTCGC
ACCAGCCTGGACCTCTATGCCAACGTCATCCACTGTAAGAGCCTTCCAGGCGTGGTGACCCGGCACAAGGACATA
GACATCCTCATTGTCCGGGAGAACACAGAGGGCGAGTACAGCAGCCTGGAGCATGAGAGTGTGGCGGGAGTGGTG
GAGAGCCTGAAGATCATCACCAAGGCCAAGTCCCTGCGCATTGCCGAGTATGCCTTCAAGCTGGCGCAGGAGAGC
GGGCGCAAGAAAGTGACGGCCGTGCACAAGGCCAACATCATGAACTGGGCGATGGGCTTTTCTCCAGTGCTGC
AGGGAGGTGGCAGCCCGCTACCCTCAGATCACCTTCGAGAACATGATTGTGGATAACACCACCATGCAGCTGGTG
TCCCGGCCCCAGCAGTTTGATGTCATGGTGATGCCCAATCTCTATGGCAACATCGTCAACAATGTCTGCGCGGGA
CTGGTTCGGGGGCCAGGCCTTGTGGCTGGGGCCAACTATGGCCATGTGTACGCGGTGTTTGAAACAGCTACGAGG
AACACCGGCAAGAGTATCGCCAATAAGAACATCGCCAACCCACGGCCACCCTGCTGGCCAGCTGCATGATGCTG
GACCACCTCAAGCTGCACTCCTATGCCACCTCCATCCGTAAGGCTGTCCTGGCATCCATGGACAATGAGAATATG
CACACTCCGGACATCGGGGGCCAGGGCACAACATCTGAAGCCATCCAGGACGTCATCCGCCACATCCGCGTCATC
AACGGCCGGGCGGTGGAGGCCTAGGCTGGCCCTAGGACCTTCTTGGTTTGCTCCTTGGATTCCCCTTCCACTCC
AGCACCCAGCCAGCCTGGTACGCAGATCCCAGAATAAAGCACCTTCTCCCTAGAAAAAAAAAAAAAAAAAAAAA
AAAAAA

6865/6881

FIGURE 6341

MALKVATVAGSAAKAVLGPALLCRPWVVLGAHEVPSRNIFSEQTIPPSAKYGGRRHTVTMIPGDGIGPELMLHVKS
VFRHACVPVDFEEVHVSSNADEEDIRNAIMAIRRNRVALKGNIETNHNLPSPSHKSRNNILRTSLDLYANVIHCKS
LPGVVTRHKDIDILIVRENTEGEYSSLEHESVAGVVESLKIIITKAKSLRIA EYAFKLAQESGRKKVTAVHKANIM
KLG DGLFLQCCREVAARYPQITFENMIVDNTTMQLVSRPQQFDVMVMPNLYGNIVNNVCAGLVGGPGLVAGANYG
HVYAVFETATRNTGKSIANKNIANPTATLLASCMLDHLKLHSYATSIRKAVLASMDNENMHTPDIGGQGTSEA
IQDVIRHIRVINGRAVEA

6866/6881
FIGURE 6342A

GCGGACGGACGCGCCTGGTGCCCCGGGGAGGGGCGCCACCGGGGAGGAGGAGGAGAGAAGGTGGAGAGGAAGA
GACGCCCCCTCTGCCCGAGACCTCTCAAGGCCCTGACCTCAGGGGCCAGGGCACTGACAGGACAGGAGAGCCAAG
TTCTCTCACTTGGGCTGCCCGAAGAGGCCGCGACCCCTGGAGGGCCCTGAGCCCACCGCACCAGGGGCCCCAGCAC
CACCCCGGGGGCCTAAAGCGACAGTCTCAGGGGCCATCGCAAGGTTTCCAGTTGCCTAGACAACAGGGCCAGGGT
CAGAGCAACAATCCTTCCAGCCACCTGCCTCAACTGCTGCCCCAGGCACCAGCCCCAGTCCCTACGCGGCAGCCA
GCCCAGGTGACATGCCCGGTGCTCTCCAGGCCCGGCCCTGGCGGGGGAACACGCTGAAGCGCACGGCCGTGCTCC
TGGCCCTCGCGGCCTATGGAGCCCAAAAGTCTACCCCTTGGTGCGCCAGTGCCTGGCCCCGCGCCAGGGGTCTTC
AGGCGCCCGCGGGGAGCCACGCAGGAGGCCTCCGGGGTGCGGCGGCCAAAGCTGGCATGAACCGGGTATTCC
TGCAGCGGCTCCTGTGGCTCCTGCGGCTGCTGTTCCCCCGGGTCTGTGCCGGGAGACGGGGCTGCTGGCCCTGC
ACTCGGCCGCTTGGTGAGCCGCACCTTCTGTGGTGTATGTGGCCCGCTGGACGGAAGGCTGGCCCGCTGCA
TCGTCCGCAAGGACCCGCGGGCTTTTGGCTGGCAGCTGCTGCAGTGGCTCCTCATCGCCCTCCCTGCTACCTTCG
TCAACAGTGCCATCCGTTACCTGGAGGGCCAACTGGCCCTGTGCTTCCGACGCCGTCTGGTGGCCACGCCTACC
GCCTCTACTTCTCCCAGCAGACCTACTACCGGGTCAGCAACATGGACGGGCGGCTTCGCAACCCTGACCAGTCTC
TGACGGAGGACGTGGTGGCCTTTGCGGCCTCTGTGGCCACCTCTACTCCAACCTGACCAAGCCACTCCTGGACG
TGGCTGTGACTTCTACACCCTGCTTCGGGCGGGCCCGCTCCCGTGGAGCCGGCACAGCCTGGCCCTCGGCCATCG
CCGGCCTCGTGGTGTTCCTACGGCCAACGTGCTGCGGGCCTTCTCGCCCAAGTTCGGGGAGCTGGTGGCAGAGG
AGGCGCGGGCGGAAGGGGAGCTGCGCTACATGCACTCGCGTGTGGTGGCCAACTCGGAGGAGATCGCCTTCTATG
GGGGCCATGAGGTGGAGCTGGCCCTGCTACAGCGCTCCTACCAGGACCTGGCCTCGCAGATCAACCTCATCCTTC
TGGAACGCCTGTGGTATGTTATGCTGGAGCAGTTCTCATGAAGTATGTGTGGAGCGCCTCGGGCCTGCTCATGG
TGGCTGTCCCCATCATCACTGCCACTGGCTACTCAGAGTCAGATGCAGAGGCCGTGAAGAAGGCAGCCTTGGA
AGAAGGAGGAGGAGCTGGTGAGCGAGCGCACAGAAGCCTTCACTATTGCCCGCAACCTCCTGACAGCGGCTGCAG
ATGCCATTGAGCGGATCATGTGCTGTACAAGGAGGTGACGGAGCTGGCTGGCTACACAGCCCGGGTGCACGAGA
TGTTCCAGGTATTTGAAGATGTTACAGCGCTGTCACTTCAAGAGGCCAGGGAGCTAGAGGACGCTCAGGCGGGGT
CTGGGACCATAGGCCGGTCTGGTGTCCGTGTGGAGGGCCCCCTGAAGATCCGAGGCCAGGTGGTGGATGTGGAAC
AGGGGATCATCTGCGAGAACATCCCATCGTCACGCCCTCAGGAGAGGTGGTGGTGGCCAGCCTCAACATCAGGG
TGGAGGAAGGCATGCATCTGCTCATCACAGGCCCAATGGCTGCGGCAAGAGCTCCCTGTTCCGGATCCTGGGTG
GGCTCTGGCCACGTACGGTGGTGTGCTCTACAAGCCCCACCCAGCGCATGTTCTACATCCCGCAGAGGCCCT
ACATGTCTGTGGGCTCCCTGCGTGACCAGGTGATCTACCCGGACTCAGTGGAGGACATGCAAAGGAAGGGCTACT
CGGAGCAGGACCTGGAAGCCATCCTGGACGTGCTGCACCTGCACCACATCCTGCAGCGGGAGGGAGGTGGGAGG
CTATGTGTGACTGGAAGGACGTCTGTGCGGTGGCGAGAAGCAGAGAATCGGCATGGCCCGCATGTTCTACCACA
GGCCCAAGTACGCCCTCCTGGATGAATGCACCAGCGCCGTGAGCATCGACGTGGAAGGCAAGATCTTCCAGGCGG
CCAAGGACGCGGCATTGCCCTGCTCTCCATCACCCACCGGCCCTCCCTGTGGAAATACCACACACACTTGCTAC
AGTTCGATGGGGAGGGCGGCTGGAAGTTCGAGAAGCTGGACTCAGCTGCCCCGCTGAGCCTGACGGAGGAGAAGC
AGCGGTGGAGCAGCAGCTGGCGGCATTCCCAAGATGCAGCGCGCCTCCAGGAGCTCTGCCAGATCCTGGGCG
AGGCCGTGGCCCCAGCGCATGTGCCGGCACCTAGCCCGCAAGGCCCTGGTGGCCTCCAGGGTGCCTCCACCTGAC
ACAACCGTCCCCGGCCCCTGCCCCGCCCCAAGCTCGGATCACATGAAGGAGACAGCAGCACCCACCCATGCACG
CACCCCGCCCTGCATGCCTGGCCCTCCTCCTAGAAAACCTTCCCCGCTCGGGAAAGTAGATGTGGAGGGTG
GCGCCCTGCGTAACCTCGCCCTGTCCCTCCCACTCCCTGGGGGCGCTGTTCCACAGTGACTGGGCCCTGTCCAG
GGCAGTGAGTCTCTACTTTGCTCCGCGGAGGAAGCTGGGGTACAAGGGGCCAGTGCTGGCCACACAGCAGCGC
AGCCGAGCCCCAGGAGCCCGTCAGGCCACAGCCCTGGCACTGCAGGTGGCCTCCCTCCAGAGACTCGAGTCCCC
ATGATTCCCTCCTCGTCAGTCTCTCAAAGACCCCATGGTCCATCCCTGAGGGTGGTCAGCCAAGGCTCCCGTTC
CGTGGGATGCCATAAAAGCCGCCAGTGGGACCCACAGTCACACAGAGCGCCTCACCTGCATCCTCTCCCCACA
AGAGCCCCAAAGATCCCACGGGAGAGGGGAGAGGGACGCACAGCACTGCCTGCCAAGCGAGAATGCAGGCCCGC
CCCCTCGGCCCCCTACCACCTCTTTCTACAGCCTAATTTATTGGATTCCCTATTCTGTAGCCATCTCCGTGGCCAA
TGTGACTACCGTGCCAGCAGCGGGGGCGGCCAGCCTCTGAGTCCCGTGGGGCCCCGGCTCCACCGGTGCCAAA
CCCAGCCCCGTGCGGCCGTACCCCGCCAGCCTACACTGCCAGCCGCCACCGGGGCACACGGGCCTCTGCTTGCCA
GCCAGGAGTGCGGACACCATGTTCCAGCTCAGTGCCAAAGAGGGGTACCAGGGGGAGCTGTCTGCGGAGCCAG
CGCTGCCCGAGAGAGACCCACCGCCACCGTGTGCCTTTCCCGGGCCCTCAGCCCTCGGGCGGGCACACCCCC

6867/6881
FIGURE 6342B

CAGTCCCCCAGTAAA

6868/6881
FIGURE 6343

MPVLSRPRPWRGNTLKR TAVLLALAAYGAHKVYPLVRQCLAPARGLQAPAGEPTQEASGVAAAKAGMNRVFLQRL
LWLLRLLFPRLCRETGLLALHSAALVSRTFLSVYVARLDGRLARCIVRKDPRAFGWQLLQWLLIALPATFVNSA
IRYLEGQLALSFRSRLVAHAYRLYFSQQTYRVSNM DGRLRNPDQSLTEDVVAFAASVAHLYSNLTKPLLDVAVT
SYTLLRAARSRGAGTAWPSAIAGLVVFLTANVLRASF PKFGELVAEEARRKGELRYMHSRVVANSEEIAFYGGHE
VELALLQRSYQDLASQINLILLERLWYVMLEQFLMKYVWSASGLLMVAVPIITATGYSESDAEAVKKALEKKEE
ELVSETEAFTIARNLLTAAADAIERIMSSYKEVTELAGYTARVHEMFQVFEDVQRC HFKRPRELEDAQAGSGTI
GRSGVRVEGPLKIRGQVVDVEQGIICENIPIVTPSGEVVVASLNIRVEEGMHLLITGPNGCGKSSLFRILGGLWP
TYGGVLYKPPPQRMFYIPQRPYMSVGSRLDQVIYPDSVEDMQRKGYSEQDLEAILDVVHLHHILQREGGWEAMCD
WKDVLSGGEKQRIGMARMFYHRPKYALLDECTSAVSIDVEGKIFQAAKDAGIALLSITHRPSLWKYH THLLQFDG
EGGWKFEKLDSAARLSLTEEKQRL EQQLAGIPKMQRRLQELCQILGEAVAPAHVPAPSPQGPGLQGAST

6869/6881
FIGURE 6344

TTTCCGGCCGCGGTATGAGGGGCGGGGCCGGGGCTGCTGTGGGAGAGTTTCGGTTGCTGCGGCGGGGCCTGCACGT
TGACTGTGGGAAACTCGGAAACAAGCTCACATCTTCCTGTGGGAAACCTTCTAGCAACAGGATGAGTCTGCAGTG
GACTGCAGTTGCCACCTTCCTCTATGCGGAGGTCITTTGTTGTGTTGCTTCTCTGCATTCCCTTCATTTCTCCTAA
AAGATGGCAGAAGATTTTCAAGTCCCGGCTGGTGGAGTTGTTAGTGTCTATGGCAACACCTTCTTTGTGTTCT
CATTGTTCATCCTTGTGCTGTTGGTCATCGATGCCGTGCGCGAAATTCGGAAGTATGATGATGTGACGGAAAAGGT
GAACCTCCAGAACAATCCCGGGGCCATGGAGCACTTCCACATGAAGCTTTTCCGTGCCAGAGGAATCTCTACAT
TGCTGGCTTTTCCCTTGCTGCTGTCTTCCTGCTTAGACGCCTGGTGACTCTCATTTTCGAGCAGGCCACGCTGCT
GGCCTCCAATGAAGCCTTTAAAAAGCAGGCGGAGAGTGCTAGTGAGGCGGCCAAGAAGTACATGGAGGAGAAATGA
CCAGCTCAAGAAGGGAGCTGCTGTTGACGGAGGCAAGTTGGATGTCGGGAATGCTGAGGTGAAGTTGGAGGAAGA
GAACAGGAGCCTGAAGGCTGACCTGCAGAAGCTAAAGGACGAGCTGGCCAGCACTAAGCAAAAAGTACAGAGAAAGC
TGAAAACCAGGTTCTGGCCATGCGGAAGCAGTCTGAGGGCCTCACCAGGAGTACGACCGCTTGCTGGAGGAGCA
CGCAAAGCTGCAGGCTGCAGTAGATGGTCCCATGGACAAGAAGGAAGAGTAAGGGCCTCCTTCCCTCCCTGCCTG
CAGCTGGCTTCCACCTGGCACGTGCTGCTTCCCTGAGAGCCCGGCCTCTCCCTCCAGTACTTCTGTTTGTGC
CCTTCTGCTTCCCCCATTCCCTTCCACAGCTCATAGCTCGTCATCTCGGCCCTTGTCACACTCTCCAAGCACAT
TACAGGGGACCTGATTGCTACACGTTTCAAGATGCGTTTGCTGTCTATCCTGCTTGGCCTGGCCAGGCCTGGCACAG
CCTTGGCTTCCACGCCTGAGCGTGGAGAGCACGAGTTAGTTGTAGTCCGGCTTGCGGTGGGGCTGACTTCTGTT
GGTTTGAGCCCCTTTTTGTTTTGCCCTCTGGGTGTTTTCTTTGGTCCCGCAGGAGGGTGGGTGGAACAGGTGGAC
TGGAGTTTCTTTGAGGGCAATAAAAGTTTTTCATGGTGG

6870/6881
FIGURE 6345

MSLQWTAVATFLYAEVFVLLLCIPFISPKRWQKIFKSRLVELLVSYGNTFFVVLIVILVLLVIDAVREIRKYDD
VTEKVNLONNPGAMEHFHMKLFRAQRNLYIAGFSLLLSFLLRRLVTLSQQATLLASNEAFKKQAESASEAAKKY
MEENDQLKKGAAVDGGKLDVGNAEVKLEENRSLKADLQKLKDELASTKQKLEKAENQVLAMRKQSEGLTKEYDR
LLEEHAKLQAAVDGPMDKKEE

6871/6881
FIGURE 6346

GCTTCTGCGCGCCGGGGCCGCCTCTCCTTCCGCCGGIGCCGCGGCGCCTCATGGAAGCCCCGGAGGCGGCGGAGG
GGGGCCTGCAGCGCGGGGCCCGGAGGGCAGCCGGCGCCCCGAAGCCAGGGTGCACTTCCGAGTGGCGAGGTTTCATC
ATGGAGGCAGGTGTCAAGCTAGGGATGCGGTCCATTCCCATTGCCACTGCTTGCAACATTTACCATAAGTTCTTT
TGCGAGACCAACCTGGACGCCTATGACCCTTACCTGATTGCCATGTCTTCAATTTACTTGGCCGGCAAAGTGGAA
GAGCAGCACCTGCGGACTCGTGACATCATCAATGTGTCCAACAGGTACTTTAACCCAAGCGGTGAGCCCCCTGGAA
TTGGACTCCCGCTTCTGGGAACTCCGGGACAGCATCGTGAGTGTGAGCTTCTCATGCTGAGAGTTCTGCGCTTC
CAGGTCTCCTTCCAGCATCCACACAAGTACCTGCTCCACTACCTGGTTTCCCTCCAGAACTGGCTGAACCGCCAC
AGCTGGCAGCGGACCCCTGTTGCCGTCACCGCCTGGGCCCTGCTGCGGGACAGCTACCATGGGGCGCTGTGCCTC
CGCTTCCAGGCCCAGCACATCGCCGTGGCGGTGCTCTACCTGGCCCTGCAGGTCTACGGAGTTGAGGTGCCCGCC
GAGGTGAGGCTGAGAAGCCGTGGTGGCAGGTGTTAATGACGACCTTACCAAGCCAATCATTGATAATATTGTG
TCTGATCTCATTGAGATTTATACCATGGACACAGAGATCCCCTAAGGTCCTGGCCCAGGCCTGCCCAAAGAGAAG
CCACATCTGCGTTTGTCTTTGAGAGGACTTTGACTACAATACAGGCATGACATCAATGAAAGGAAAGTCATGAA
ATCGATGAGACTGAATCCCTACGGATTTCTTAAAAGCCAGATTTGTAGGGAGAATGAATGTGCAACGTGGCTGAA
ATCTATTTTGTGTAATAAAAGGTGATACAAGTC

6872/6881
FIGURE 6347

MEAGVKLGMRSIPIATACTIYHKFFCETNLDAYDPYLIAMSSIYLAGKVEEQHLRTRDIINVSNNRYFNPSGEPL
LDSRFWELRDSIVQCELLMLRVLRQVVFQHPHKYLLHYLVSLQNWLNRRHSWQRTPVAVTAWALLRDSYHGALCL
RFQAQHIAVAVLYLALQVYGVEVPAEVEAEKPWWQVFNDLTKPIIDNIVSDLIQIYTMDEIP

6874/6881
FIGURE 6349

TTTAGGGAGAAGAAAGCAACCCTTAAAATAGAGGAAAATGAAGCTGCTTGGATTACCCTGTTGAAGTTCATCTCT
GCCTGTGCCATGCATGAAAAAATACTGGCAAAGTCTTCACTTACATGAGTGTTAGACTCCATGTTCCCAGTGGGT
CTCGGGGTTTCAGAACTGAGTGCTCTCATCCAAGCAATAGGAGCGTCGACCTCAGGAAAGCCCAAGTGTGTTGTGT
GTATTTTGAGGAGTGGGTATCTGTTGCACTGAGCCTCTCTGTGTATTTTCTTCTTTTTCAGCAGAACAAGGG
GAGGTGGACATGGAGAGCCACCGGAATGCCAACGCAGAGCCAGCTGTTTCAGCGTACTCTTTTAGAGAAATAGAAG
ATTGTCGGCAGAAACAGCCCAGGCGTTGGCAGCAGGGTTAGAACAGCTGCCTGAGGCTCCTCCCTGAAGGACACC
TGCCTGAGAGCAGAGATGGAGGCCTTCTGTTCAC

6875/6881
FIGURE 6350

CAGAGTTTCGCCATGGCCCGGGGCCCCAAGAAGCACTTAAAGCGTGTTGCAGCGCCGAAGCATTGGATGCTTGAC
AAACTAACGGGTGTATTTGCACCTCGTCCATCGACAGGTCCCCACAAGCTGAGGGAATGTCTTCCTCTGATCGTC
TTCCTCAGGAATAGACTCAAGTATGCGTTGACTGGAGATGAGGTAAAGAAGATATGTATGCAACGTTTCATCAA
ATTGATGGCAAGGTTCGAGTGGATGTCACATACCCTGCTGGATTTCATGGATGTCATCAGCATCGAGAAGACAGGT
GAACATTTCCGCCTGGTCTATGACACCAAGGGCCGTTTTTGCTGTTTCACCGCATCACAGTGGAAAGAGGCAAAGTAC
AAGTTGTGCAAAGTGAGGAAGATTACTGTGGGAGTGAAGGGAATCCCTCACCTGGTGACTCATGATGCTCGAACC
ATCCGCTACCCAGATCCTGTTCATCAAGGTGAACGATACTGTGCAGATTGATTTAGGGACTGGCAAGATAATCAAC
TTTATCAAATTTGATACAGGCAATTTGTGTATGGTGAATTGGTGGAGCCAACCTCGGTCGTGTTGGTGTGATCACC
AACAGGGAAAGACATCCTGGTTCTTTTGATGTGGTGCATGTGAAGGATGCCAATGGCAACAGCTTTGCCACGAGG
CTTTCCAACATTTTGTTCATTGGCAATGGCAATAAACCTTGGAATTCCTGCCAGGGGAAAGGGCATTTCGACTT
ACTGTTGCTGAAGAGAGAGATAAGAGGCTGGCCACCAACAGAGCAGTGGCTAAATTGCAGTAGCAGCATATCTT
TTTTTCTTTGCACAAATAAACAGTGAATTCTCGTTT

6876/6881

FIGURE 6351

CTAGTTTCTCAGGATCATGTCTGTGAGCCAGGATTCTTGATCCAGAGACAATGGCCCCGATGGGATGGAGCCCGA
ATGCGTCATTGAGAGTAACTGGAATGAGATTGTTGACAGCTTTGATGACATGAACCTCTCGGAGTCCCTTCTCCG
TGACATCTATGCCTATGGTTTTGAGAAGCCCTCTGCCATCCAGCAGCAAGCCATTCTACCTTGTATCAGGGGTTA
TAATGTAATCGCTCAAGCCCGATCTGGGACTGGGAAAATGGCCACATTTGCCATATCGATTCTGCAGCAGATTGA
ATTAGATCTAAAAGCCACCCAGGCCCTTGGTCCTAGCACCCACTCGAGAATTGGCTCAGCAGATACAGAAGGTGGT
CATGGCACTAGTAGACTACATGGGTGCCTCCTGTGCATGCCTGTGTGTCAGGGGCACCAATATGCGTGCTGAGGTGCA
GAAACTGCAGATGGAAGCTCCCCACATCATCGTGGGTACCCCTAGCCGTGTGTTTGATATGCTTAACCAGAGATA
CCTGTCTCCCAAATACATCAAGATGTTTGTACTGGATAAAGCTGATGAAATGTTAAGCCGTGGATTCAAGGACCA
GATCTATGACATATTCCAAAAGCTCAACAGCAACACCCAGGTAGTTTTGCTGTCAGCTACAATGCCTTCTGATAT
GCTTGAGGTGATCAAGAAGTTCATGAGGGACCCCATTCGGATTCTTGTCAAGAAGGAAGAGTTGACCCTGGAGGG
CATCCGCCAATTCTACATCAACGTGGAACAAGAGGAGTGGAAGCTGGACACACTATGTGACTTGTATGAAACCTT
GACCATCACCCAGGAAGTCATCTTCATCAACACCCGGAGGAAGGTGGACTGGCTCACTGAGAAGATGCATGCTCG
AGATTTCACTGTCTCCGCCATGCATGGAGATATGGACAAAAGGAGCAAGACGTGATCATGAGGGAGTTTCATTC
TGGCTCTAGCAGAGTTTTGATTACAACGTGACCTGCTGGCCAGAGGCATTGATGTGCAGCAGGTTTCTTTAGTCAT
CAACTATGACCTTCCCACCAACAGGGAAAACCTATATCCACAGAATCAGTCGAGGTGGACGGTTTGGCCGTAAAGG
TGTGGCTATTAACATGGTGACAGAAGAAGACAAGAGGACTCTTCAAGACATTGAGATCTTCTACAACACCTCCAT
TGAGGAAATGCCCCCAATGTTGCTGACCTCATCTGAGGGGCTGTCTGCGCCAGCCCCAGCCAGGGCTCAATC
TCGGGGGTGCTGAGGAGCAGCAGGAGAGGGGAGTGAAGGGAGCCAAGGGATAGACTTGTCATTTTTTTTCTTTGA
ATAAATGTCACTTTTTGGAGGCCAAA

6877/6881
FIGURE 6352

ACTTCTGTTCCAAAGGCTGGGAAGAACTAAGCTGCCCCAGCTCCTCCCATTCTTGGGCAGGGCTCTTTCCTGTT
GTGTGTTCCCTCCAGGGCCTGTCTGTACCGAGCTCTGTCTGTTCCAGCCTTCATCCTTCCTGGCTGTTGCTTTTC
CTCTTAAGGGCCTTAGAACTCTTGCTCTTCTGGGCTGTGGGGGAATGAGTGTCTTGCCATTGTCAGCCTAAT
GCGCATGGTTTTCTGCCCCGTGATAACAGGAGTGAGTGAGCCCCCTCAGACCTGCACTCTGGGTGTCTCCTGCTTTCA
AAGGTTCTTAATAGTGAATGCTTTAAAATTAAAGTCATCACAAAATGGAAGTTTTCCAGGGTGGAAAACAAGAG
GAAGTGCTGCTGTAATTGGGAGCACAAAGGGGCCTCCCCAAAAGGAGCCCCACCTCAGCATCACTGCCTTATTTGT
GGCCTCCGTGGGGTGAGTGGGGTTCTCTCCTCCCTCCCTCCCTCCTCCTGGGGTGGGAGGGCGCTCCTATTCCCA
TCTTTGTGTTCCCTGGAGGCAGGTATCACAAAACATTTGTGAATTGCTTTAGGTGCAGGGACACCACCCACTCAG
GACTTTTCCCCATCATCCCTTCCATTGCCACACCCTAGATCCAGCCTCAGGAACATAAAGTTTTGAGAAAAGCA
GGCGGTAGAGCAGCAGCTTGGTGCTCTCAGCGGTGGCTGGCTGGCATTCTTCTCTAGCATTGTGGTGCCACCTTC
CCTCCTTGTCCTCAAGGTTATAAGGCCTTGTCTTTCTCTTTGGAATCATAAAGTGGAAACAGAGTCCCCAGAAGCTCG
TGTGGCCATTTCCGCCAGCATCACTCCCCGGTGCCTGTGGGGTCCCGGTGTACCTAATGGGAGAACGATCCCATG
TGCTAGCCAGAAATATACCGTCTCTTGAAGGAAAGCAGGAGCTCAGACTTTTAGAGCCAGCTGTGGCTTCGGACC
CAAGGCCTGACCTAGGCTGCTATCCTAATATTGCAGAAGGGGCCTCTCTTCCAAGCCCCACCCTAAGGGTTAGCC
CTTGGCCAAATCTTTTGCCATCTGGTCCCAGCTAGGCTTTTCTGACTAAATAAGCAATAAGAGGGTCTAAGCTGA
CTGAGTTGCAAGGACCCCTTCCACCCTCCCTTGGATCTCCATGTTTTTCCAGATGGAGGAAGAGCATGTGCCACC
CCCTGTCCTAACAGGCTTGTCCAAGTGCTTGGTGTGGGACCCAAGACCAAAGCCCAGGATGGCTTGGTGGGAGTG
TCCCTGCTGCATCTGCATGAAGCCCCTGCTTTCTAGGCCTCACTCCCATCAGAACCCTGCCTGCCACCTGCAAC
TCCCCACAGCAATGCCATTCCCCTTCCCCAGAGAAGCTACTCAGCCAAACCTAGCCAGGGTCTGTTTCATGTA
GACCAGAGCCAGCCTAGTCATTATTTGCTGTGGGGTTTCCAGTTTCACTGTGTGTTAGGGCGAGGGATGATTGTA
AAATTTGCTCCTCAAAGGAATCAGGCCAGACTCAATTTTGGAGGGCAAGACAGGGAGGAGGCCGCTTCATCCAG
ACTCTCTTCTAGGGCTTCCCACCATCAGCCCCCTCCCCTTGAGACTGGTCTTCAGGAGGCAATAGGCCACCATGC
CTGGTCAGCATCAATTCAAGCCATGCCAGGAATCTGCCTACCTGCCAGGTTCAAGTTCCCTTTAAGGTGCCTCTTAA
GGGACACACTGTGTCTCTCTGATTGGGCTTCTAAATCAAAAAGCCTGATGTTTCGTGTCCCTCTCATAGGGGGAGCT
TTGGATACAGGACCAGTTTGGAAAAGGGTCAGGTAAGGGTTTCCACTCTGCACATTGTAGAGGGGACGCTCGGTA
GCCCCATGGGTCCCTTACTAAAGAGGTTGAGTGAATTTGCCTTCAGTTAACCTGGGACCTTCTGTTTAGCTTCCTT
CTGCTTCCCAAAGATTTTAAGCATTTTGTAAATGTATAAACTCACCTCTGGCAACAGTGGCCAGATGCTGCTTT
GTGCTATGTAAAGGCAGTCTTTCCCTGGGAAATGGATGCTATTCTATTCTGCTGCCCTACCTGTTCTGAGGCT
TCATTTAGAAAGAAAATACCTCAGAAGGCTGTCTGGCACCCAGTGCTCTAGCCAGGCCAAATATATGAGAAAGG
TAAGTCCATTTTCCCTTCAGGTCTCAGTGGATGACTTAACCCTGCTGTCCCTTGGTCCCTTTTTCCTAAACA
GGGGTTTAGTTCTGTCTTTTATCCTTTTTTCTAAATGCTGGTAAATATCTACATTAGCCAGGAAGAGGAGGCC
AGAGGTGGGGCCAGCTGCCCCATTCTTTTAACGTTGTAGGGCCTGCCCTGGAGTGGACCTTCCTCTTTGGGCCT
CGTCAGCTTTTTTGTCTTATCATATTCCATTTTGTGCCACTTCCCCCTTCAAGATGCCATTTGGAGGGTAGGGGA
TCTGCTTTCCACTGTGAGTGGGCTATGAGATTCTGACTACCTTGCTTACAGATTGATGTTTGATAAATTTGTTG
CATTCAAAAACCTTGTAATGCAGGACGCCATTAAGTGTCTGTTTAAATTTTGGATTATTTATATTACTTACAATT
AATTAATAAAAGTGGGTTTAAAAAACCT

6878/6881
FIGURE 6353

AACCTACTACGTGCGGCGGCAGCTGGGGCGGGAAGGCGGGAGCTGGGGGCGCTGGGGGCGCTGCGGCCGCTGCGG
CCGCTGCAGCCGCTGCAGCGCCAGGGTCCACCTGGTCGGCTGCACCTGTGGAGGAGGAGGTGGATTTTCAGGCCTC
CCGTAGACTGGAAGAATCGGCTCAAAACCGCTTGCCTCGCAGGGGCTGAGCTGGAGGCAGCGAGGCCGCCCCGACG
CAGGCTTCCGGCGAGACATGGCAGGGCAAGGATGGCAGCCCCGGCGGCAGGGCCTGGCGAGGAGCGCGAGCCCCGCG
GCCGCAGTTCCCAGGCGTCTGCGGGCGCGAGCACGCCGCGACCCCTGCGTGCGCCGGGGCGGGGGGGCGGGGCCTC
GCCTGCACAAATGGGGACGAGGGGGGCGGGGCGGCCACAATTCGCGCCAACTTGACCGCGCGTTCTGCTGTAA
CGAGCGGGCTCGGAGGTCTCTCCCGCTGCTGTTCATGGTTGGTTTCGCTAAACTGCATCGTCGCTGTGTCCAGAACA
TGGGCATCGGCAAGAACGGGGACCTGCCCTGGCCACCGCTCAGGAATGAATTCAGATATTTCCAGAGAATGACCA
CAACCTCTTCAGTAGAAGGTAAACAGAATCTGGTGATTATGGGTAAGAAGACCTGGTTCTCCATTCCTGAGAAGA
ATCGACCTTTAAAGGGTAGAATTAATTTAGTTCTCAGCAGAGAACTCAAGGAACCTCCACAAGGAGCTCATTTTC
TTCCAGAAGTCTAGATGATGCCTTTGGTGGCAGTTCTGTTTATAAGGAAGCCATGAATCACCCAGGCCATCTTA
AACTATTTGTGACAAGGATCATGCAAGACTTTGAAAGTGACACGTTTTTTCCAGAAATTGATTTGGAGAAATATA
AACTTCTGCCAGA

6879/6881
FIGURE 6354

TAGAGCAGACAAGCCCGCCCCGCGCTCCTCCCAGCAGCTTCTATCCCGGAAGTTGATGCCGAGCGCAGATCGCT
TGCAGCTTGCTAGCTGTGTGGGCTGGGAGGTCTGGTAGGGCTGAGCTTGCAAGAGGATCAACATGCCTTTGGCTA
GAGATTTACTACATCCGTCCTTGGAAGAGGAAAAGAAAAACATAAAAAAGAAACGCCTAGTACAAAGTCCAAATT
CTTACTTTATGGATGTAAAATGTCCAGGTTGCTACAAGATCACCACGGTTTTTCAGCCATGCTCAGACAGTGGTTC
TTTGTGTAGGTTGTTCAACAGTGTTGTGCCAGCCTACAGGAGGAAAAGGCCAGACTCACAGAAGGTATATCATTTG
GCATTCTCCAACCCAGTGATGAGATTGATGATTATAAATGTCTCTATCTTCACTGAAAAGTTTAAAGAAATCTTA
ATGATTACCAAATAACTTATCTTTTCAATTGTGTGCTTTCAGTAAAGAATGGCCTGTTCAAATGGATATATTTATA
CTCTTGACCTTGCAGTGAACCTCCATTGACTTATTTTTCTTAGTTTAGAACACATTTATTCACTTAGTTTGCTTAA
CTTGGAATAAATTAAGTCAGAATAGAAGCAAAAGAATAACTACATGTTATAGGACATGCAGATTTATTTATTTAT
TTATTTATTATTTTTTTTTTTTTTTTATTAGGAGTCTCGCTCTGTCAACCAGGCTGGAGTGCAGTGGCGCCATCTCAGC
TCACTGCAACTTCTGCCTCCCCGGTTCAAGTGATTCTCTTGCTCTGCCTCCCAAGTAGCTGGGACCACAGGCGC
GTGCCACCATGCCTGGCTAATTTTTTGTATTTTTAGTAGAGGTGGGGTTTCACTGTGTTAGCCAGGATGGTCTTG
ATCTCCTGACCTCATGGTCTGCCACCTCAGCCTCCCAAAGTGCTGGGATTATAGGCATGA

6880/6881
FIGURE 6355A

CACAACCGTGACAGACTGCCATTCTCTGAGTCTCTTCTGGCCATGGGCCCCCGGAGCCGTGAGCGTCGGGCAGGCG
CGGTACAGAACACCAACGACAGCAGCGCCCTCAGCAAGCGTTCCTTGCCGCGCGCGGGTACGTGCAGGACCCCT
TTGCCGCGTTGCTGGTTCCGGGCGCGGCGCGCCGCGCACCCTCATTACCGAGGCTACTACGTCCGCGCACGCG
CCGTGAGGCACTGCGTGC GCGCTTTTTTGGAGCAGATTGGCGCGCCCAAGGCCGCGCTTCGCGCGCAGATCTTGT
CTCTCGGCGCTGGCTTCGACTCGCTCTATTTTCGCTTAAAAACCGCGGGCCGCTTGCCCGGGCTGCAGTCTGGG
AGGTGGATTTTCCGGACGTGGCGCGGCGCAAAGCAGAAAGGATTGGAGAGACGCCAGAGCTGTGCGCGTTAACCG
GGCCTTTTCGAGAGGGGGGAGCCCGCGTCCGCGCTGTGCTTTGAGAGCGCAGACTACTGCATCCTGGGTCTGGACT
TGCGGCAGCTCCAGCGAGTGGAGGAGGCCCTGGGCGCCGCGGGGCTCGACGCAGCCTCACCCACTCTGCTCCTGG
CCGAGGCGGTGCTGACCTACCTCGAGCCGGAGAGTGCCGCGGCCCTCATCGCTGGGCAGCCAGCGTTTTCTTA
ATGCCCTTTTCGTGGTCTATGAGCAGATGAGGCCTCAAGACGCCCTTTGGCCAGTTCATGCTGCAACATTTTCGGC
AGCTAAACTCCCCCTGCATGGCCTGGAGCGTTTTCTGACGTGGAGGCGCAGCGGCGCGCTTCCTTCAAGCTG
GCTGGACCGCTGCGGTGCCGTGGACATGAATGAATTCTATCACTGCTTTCTTCCGCGAGAAGAAGCGGCGGG
TGGAAATATTGAACCCCTTTGACGAATTTGAGGAGTGGCATCTGAAGTGCGCCATTATTTTATTCTGGCAGCTT
CTAGGGGAGACACCCTCTCCACACCCTAGTGTTCATCTCAGAGGCATTTCTCGCGTAAATCCTGCTTCGC
CTTCAGGGGTATTCCCTGCCAGCGTAGTCAGTAGCGAGGGCCAGGTCCCAAACCTGAAGAGATATGGCCACGCCCT
CTGTCTTCTTGAGCCAGACGTTATTCTCAGTGCAGGAGGATTTGGAGAGCAGGAGGGGCGGCACTGCCGAGTGA
GCCAGTTTCACTTGCTCTCAAGAGATTGTGACTCTGAATGGAAAGGCAGCCAAATAGGCAGTTGTGGGACTGGAG
TTCAGTGGGATGGACGCTTTATCACACCATGACAAGACTCTCAGAGAGTCGGGTTCTGGTTCTGGGAGGGAGAC
TGTCCCCAGTAAGTCCAGCCTTGGGGGTTCTCCAGCTTCATTTTTTTAAGAGTGAGGATAATAACACTGAGGACC
TGAAAGTGACAATAACAAAGGCTGGCCGAAAGGATGATTCCACTTTGTGTTGTTGGCGGCATTCAACAACAGAAG
TGTCTGTGAGAATCAGGAATATTTGTTTGTGTATGGGGGTCGAAGCGTGGTGAACCTGTACTAAGTGACTGGC
ATTTCTCCATGTAGGGACAATGGCTTGGGTGAGGATCCAGTGGAGGGAGAAGTACCTGAAGCCCGGCATTCTC
ACAGTGCCTGCACTTGGCAAGGGGGAGCCCTTATTGCTGGAGGTCTCGGGGCTTCTGAGGAGCCATTGAACTCTG
TGCTCTTTCTGAGACCAATCTCTTGTGGATTCTCTGGGAGTCAGTAGACATCCAGCCTCCCATTAACCCCAAGGT
ACTCCACACAGCTCATGTGCTCAATGGAAAGCTGTTACTGGTTGGAGGGATCTGGATTCACTCTCTCATTTC
CTGGAGTGA CTGTGATCAATTTGACTACAGGATTGAGCTCTGAGTATCAGATTGACACAACATATGTGCCATGGC
CATTAAATGTTACACAACCACTAGTATCCTTCTTCTGAAGAGCAACAGCTCCTGCTCCTTGGAGGTGGTGGGA
ACTGCTTTTCTTTGGTACCTACTTCAACCCCATACAGTCACATTAGACCTTTCTTCTTAAGTGCTGGGCAGT
AAGGACTGGACTAATATTCAGGACCCACTAAAGTAGACAATAAAGTTTTCCACAAATAGGATGACCCCTTAGCTA
TAGATACTGCCACTCCTCCTTTCCCATCCTTTTTTCCCTTAGCACTATTAGTGCAAAAAGTGAAAAAGGTTG
GTAAATAGGTAATAACCTAGAAACAATCACTACAGAAAACAGCTGAAGACAGTGGCCATGCAGTCCGAGAGGA
GTAGTGGTCTGCCTCTAATTTCTAATCTAAGTTCGTTTATTGAGTTACAGTGGTCTTTAGTAAAGTAAACAAT
TTCCCAATCCCAGGCCTTGTGATTGAGATGGTACCTTAGAAAAAGTTACACGCAGTTCGGTGGTTGAATATATT
TGAGATGGTACCTTAGAAAAAGTTTCACGCAGATCCTTGGTTGAATATAGTTGAGGGAGCGTAGTATTGACAATT
CTTCATGTAGGAAACCTGAAATGAACACAGTCACAGTTTGATTAAACATTGTCTGTGTTGTTGCAACAGAAAAC
TCGGATAGTTTTAACAACAGGAAACACTTGTAGGACTTCCTTTACCAACATACTTTTTAAATGTTTTGCTATTGG
TTCCATATTTATTTAGATTTATAAGTGTCAATAAAGCAAACCTTTTGATGCCTCAATTCATTTGACAGGGGTATA
ATAATGTTTTGTTCCAGATATACTCTCCACCTTTCAGTGTCTGTGCTCCAAGAGGCTGACCTTTATGGGCTGCA
TCAAGGAGCTCTCTTTACTTTTTGGTTGAGTTCACCAGTCAGAGGCACCAGAGGGGAATGGGGGCAAAAAGAAG
AGTGAGAGTGAGTTGGTATTTATTTCCCAATCTTCCCTGTTGGTTTGCAAGTTGGCAGTGGCAGCATTCTTCTG
TCAAAGGCTACAGCTCCTGCCGTGTAATCCTTTCTGAAGACAGAGTTCTAATTCTGCATCATCCCAGGTTTCAG
TAATTGTTCTTTACTTTCACCTTTTCAGGCCTAGGAGTTGTGATGGCTCTTTGCTAGACCTGAACTGTACTGTCC
AATGTGGTAGCTATTGACAACATGTGACTATTTAAACGAATTAATAAATTCAGTGGCTTAGTCACATTGACCACA
TTTTAAGTGCTTAATAACTATGTGTGGCTTTGGCTACTGTATTAGACAATGTAGATGTAGAACATTTTCATCGTTA
CAGAAATTTCTACTGGACACTGCTGACTGGATATCTTGACTTGGTTTCCCTTAACCCCTACTCAGCCCTTATAGT
TAGCATCCCATTAAACTCAATTATCCCTTTTATATGGGAATCTGTTGCCTAGTGAGCCATGTGAGATCAATGAAA
TAGCTATTATCCTTAAATTTGAGCCTTAATTTGTCATCTAAATTATGCATACCTTGTGAAATATACACCTCAA
AAAATGTAGTGGCTTTGGTGGTAATAAGTGTATTACTTTAGTATTTCTTCTTAGTCCTAGAAACCTTAGTAGTTT

6881/6881
FIGURE 6355B

TCATTCTACAAGTGCCTAAATGATTATTATGAACCATCATTGATGACAAATTGCATCCTTTATTTCTATTAATTT
TGCATATAAATGGATGTGAAAGGTGATTAATATAAAAACCAAGTAGCAAACACAAACCTAAGTGTATGGAGAGGA
CAGTCTTGGCTCTGTTAGATGAAGCCTCCCCGGGGGAGACCAGCTGAATGAGGGTTGTGGTATAGGCTGGGCATG
GTGGCTCACGCCTATAATTCCAGCACTTTGGGAGGCCAAGACAGAAGGATCACTTAAAGCCAGGAGTTTAAGACC
AGCCCAGGCAACAAAGTCAGATCCCCATCTCTACAAAAAATAAGTAGGCACGGTGGTGTGTGCTTGTAGTCTTG
GATACTCTGGAGGCTGAGGTGATAGTGAGCTGTGATTGTGCCACTGCACTCCTGCCTGGTTGACAGAGTGAGACC
CCGTCTCTTAAAAAGAAAAAAAAAAAAAGGTTGTTGTCCAACCTTCAGCTTTCCTGATACTTTGTAAGAGCCATTC
TAGGGAAAGCATTGGTTATGGCTATGACTGAGTCCTGGGAAACAGGGCTTATTACAGCTGGGAAGACATCTGGCA
AGGCGATCAGTGGGCCAGGTAGTAGAAAACCTGGCAGGGAATATGATCAGCAGGAGAAAATGGCTGTTCTGTATTT
CCTGTTTCTAAGTTTACTACAGCACACCCCAGCTTTCAGGAGCAGATAAAAGCAGAACTGTGATGAGGCCAGG
CGCAGTGGCACATGCCTTGATCCCAGCACTTTGGGAGGCCAAGGCTGGCAGATCACTTGAACCTCAGGAGTTGGAG
ACCAGCCTGGCCAATATGGTGAACTCCGTCTCTCCCCAAAAAAAAAAAAAAAAAAAA